



October 31, 2008

State of Utah, Division of Oil, Gas and Mining  
ATTN: Diana Mason  
PO Box 145801  
Salt Lake City, UT 84114-5801

RE: Directional Drilling  
**Jonah Federal P-14-9-16**  
Jonah Unit  
UTU-72086A  
Surface Hole: T9S R16E, Section 15: SESE  
513' FSL 510' FEL  
Bottom Hole: T9S R16E, Section 14  
1185' FSL 15' FWL  
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated October 29, 2008, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both within the boundaries of the Jonah Unit UTU-72086A. Newfield certifies that it is the Jonah Unit Operator and all lands within 460 feet of the entire directional well bore are within the Jonah Unit.

NPC is permitting this well as a directional well in order to minimize surface disturbance. By directionally drilling from the referenced surface location, NPC will be able to utilize the existing roads and pipelines in this area.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at [reveland@newfield.com](mailto:reveland@newfield.com). Your consideration of this matter is greatly appreciated.

Sincerely,

*Roxann Eveland*

Roxann Eveland  
Land Associate

RECEIVED

NOV 05 2008

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**APPLICATION FOR PERMIT TO DRILL OR REENTER**

FORM APPROVED  
OMB No. 1004-0137  
Expires July 31, 2010

5. Lease Serial No. UTU-096547	
6. If Indian, Allottee or Tribe Name NA	
7. If Unit or CA Agreement, Name and No. Jonah	
8. Lease Name and Well No. Jonah Federal P-14-9-16	
9. API Well No.	
1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER	10. Field and Pool, or Exploratory Monument Butte
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone	11. Sec, T, R, M. or Blk and Survey or Area Sec. 15, T9S R16E
2. Name of Operator Newfield Production Company	
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface SE/SE 513' FSL 510' FEL Sec. 15, T9S R16E At proposed prod. zone <i>SW</i> 1185' FSL 15' FWL Sec. 14, T9S R16E	
12. County or Parish Duchesne	
13. State UT	
14. Distance in miles and direction from nearest town or post office* Approximately 18.2 miles southwest of Myton, UT	
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 15' f/lse, 1185' f/unit (Also to nearest drig. unit line, if any)	16. No. of acres in lease 600.00
17. Spacing Unit dedicated to this well 20 Acres	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1395'	19. Proposed Depth 5,970'
20. BLM/BIA Bond No. on file WYB000493	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5707' GL	22. Approximate date work will start* 1 <sup>st</sup> Qtr. 2009
23. Estimated duration (7) days from SPUD to rig release	
24. Attachments	

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the BLM.

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 10/29/08
Title Regulatory Specialist		
Approved by (Signature)	Name (Printed/Typed)	Date
Title Office		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

\*(Instructions on page 2)

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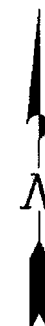
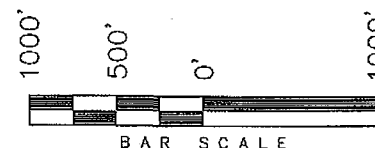
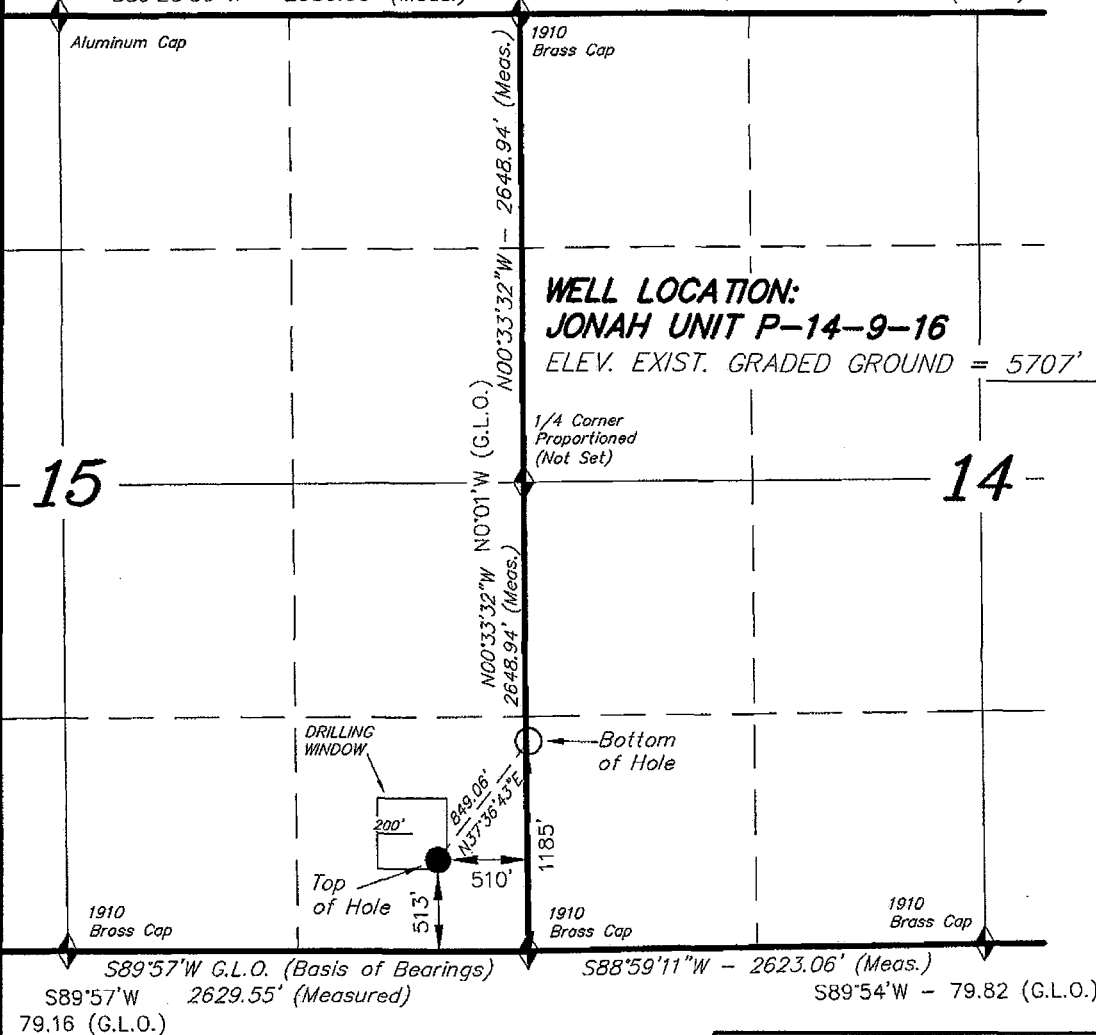
**T9S, R16E, S.L.B.&M.**

**NEWFIELD PRODUCTION COMPANY**

S89°59'W - 79.88 (G.L.O.)  
S89°28'59"W - 2636.99' (Meas.)

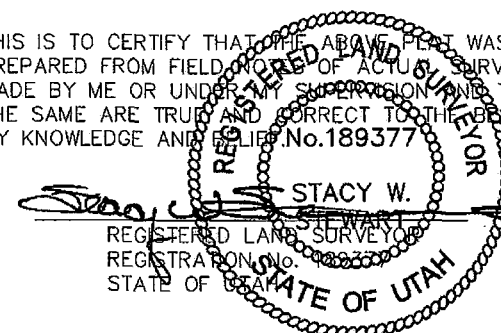
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WELL LOCATION, JONAH UNIT P-14-9-16,  
LOCATED AS SHOWN IN THE SE 1/4 SE  
1/4 OF SECTION 15, T9S, R16E, S.L.B.&M.  
DUCHESNE COUNTY, UTAH.



**Note:**  
1. The bottom of hole footages  
are 1185' FSL & 15 FWL.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
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MADE BY ME OR UNDER MY SUPERVISION AND THAT  
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◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

JONAH UNIT P-14-9-16  
(Surface Location) NAD 83  
LATITUDE = 40° 01' 29.91"  
LONGITUDE = 110° 05' 52.15"

**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 04-26-08	SURVEYED BY: T.H.
DATE DRAWN: 04-28-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
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APPLICATION FOR PERMIT TO DRILL OR REENTER

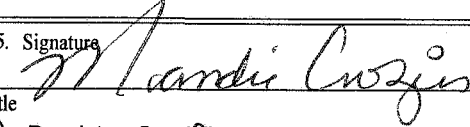
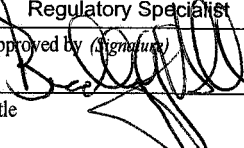
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OMB No. 1004-0137  
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|--|---|
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| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM.             |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 10/29/08
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 11-18-08
Title Office ENVIRONMENTAL MANAGER		

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(Continued on page 2)

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Surf  
577037 X  
4480706 Y  
40.624945  
-110.697205

BLM  
577145 X  
44309124  
40.626784  
-110.095324  
Federal Approval of this  
Action is Necessary

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NOV 10 2008  
DIV. OF OIL, GAS & MINING

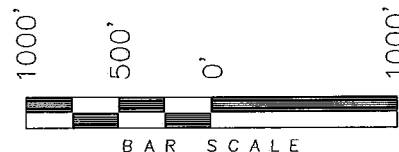
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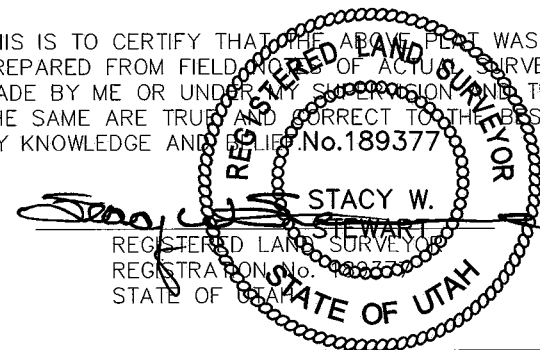


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15

14

**WELL LOCATION:  
JONAH UNIT P-14-9-16**

ELEV. EXIST. GRADED GROUND = 5707'

DRILLING  
WINDOW

Top  
of Hole

Bottom  
of Hole

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**JONAH UNIT P-14-9-16**  
(Surface Location) NAD 83  
LATITUDE = 40° 01' 29.91"  
LONGITUDE = 110° 05' 52.15"

NEWFIELD PRODUCTION COMPANY  
JONAH FEDERAL P-14-9-16  
AT SURFACE: SE/NE SECTION 15, T9S, R16E  
DUCHESE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 1429'
Green River	1429'
Wasatch	5970'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 1429' – 5970' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY  
JONAH FEDERAL P-14-9-16  
AT SURFACE: SE/SE SECTION 15, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Jonah Federal P-14-9-16 located in the SE 1/4 SE 1/4 Section 15, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly - 10.0 miles  $\pm$  to it's junction with an existing dirt road to the southwest; proceed southwesterly - 5.3 miles  $\pm$  to it's junction with an existing dirt road to the east; proceed easterly - 1.5 miles  $\pm$  to the existing Jonah Federal 16-15-9-16 well location.

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Jonah Federal 16-15-9-16 well pad. See attached Topographic Map "B".

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

The proposed well will be drilled directionally off of the Jonah Federal 16-15-9-16 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Jonah Federal P-14-9-16. All permanent surface equipment will be painted Carlsbad Canyon.

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District  
Water Right : 43-7478

Neil Moon Pond  
Water Right: 43-11787

Maurice Harvey Pond  
Water Right: 47-1358

Newfield Collector Well  
Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed Jonah Federal P-14-9-16 will be drilled off of the existing Jonah Federal 16-15-9-16 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

8. **ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

Newfield Production Company requests 1190' of disturbed area be granted in Lease UTU-017985 to allow for construction of the proposed water lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line and 30' wide upon completion of the proposed water lines. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP. In the event that the proposed well is converted to a water injection well, a separate injection permit will be applied for through the proper agencies.

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #04-348, 1/12/05 and MOAC Report #04-94, 6/2/04. Paleontological Resource Survey prepared by, Wade E. Miller, 8/20/05. See attached report cover pages, Exhibit "D".

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), State of Utah approved surface disposal facilities, or Federally approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

**Golden Eagle:** Due to this proposed well access roads proximity (less than 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between Feb 1 and July 15. If the nest remains inactive on July 15th (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between July 15



and Feb. 1 of the following year. If the nest site becomes active prior to July 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

#### **Reserve Pit Liner**

A 16 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

#### **Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Squirrell Tail	<i>Elymus Elymoides</i>	6 lbs/acre
Siberian Wheatgrass	<i>Agropyron Fragile</i>	2 lbs/acre
Gardner Saltbush	<i>Atriplex Gardneri</i>	1 lbs/acre
Shadscale	<i>Atriplex Confertifolia</i>	1 lbs/acre
Fourwing Saltbush	<i>Atriplex Canescens</i>	1 lbs/acre
Forage Kochia	<i>Kochia Prostrata</i>	0.20 lbs/acre

#### **Details of the On-Site Inspection**

The proposed Jonah Federal P-14-9-16 was on-sited on 6/11/08. The following were present; Kevan Stevens (Newfield Production ), Michael Cutler (Bureau of Land Management), Brandon McDonald (Bureau of Land Management ), and James Herford (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

#### **LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

##### Representative

Name: Dave Allred  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

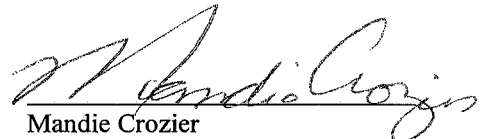
##### Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #P-14-9-16 SE/SE Section 15, Township 9S, Range 16E: Lease UTU-096547 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

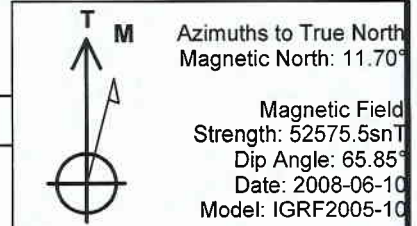
I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

10/29/08

Date

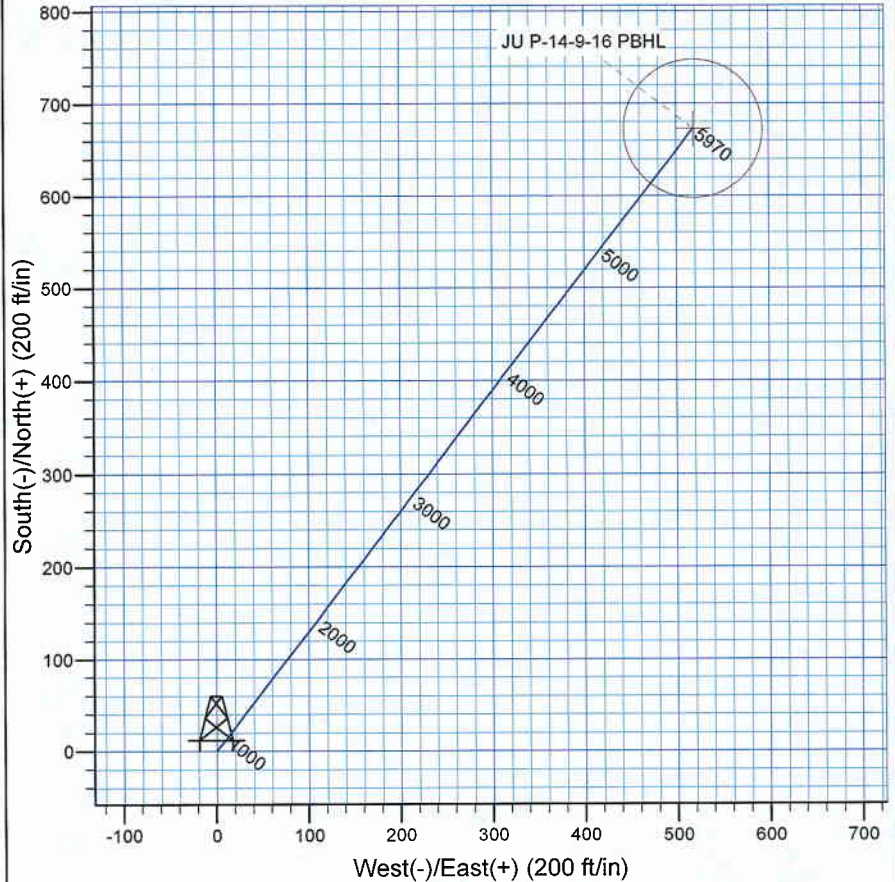
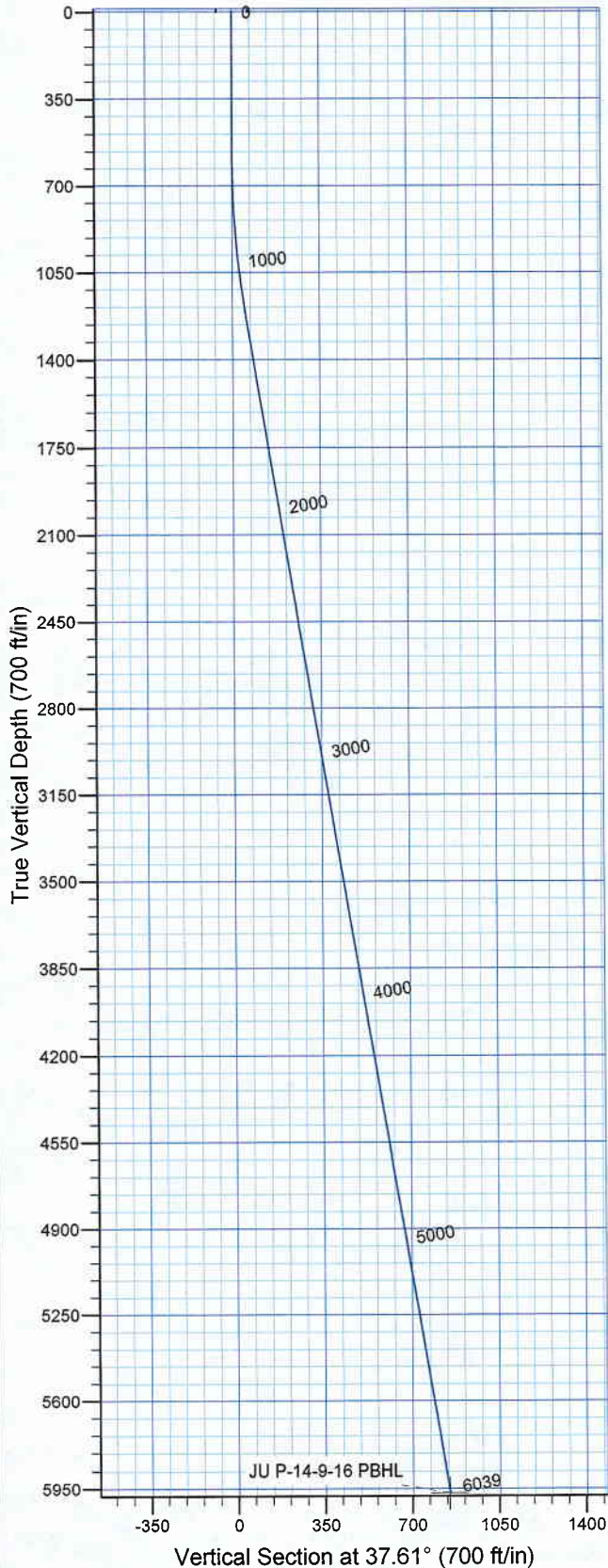


Mandie Crozier  
Regulatory Specialist  
Newfield Production Company



WELL DETAILS: Jonah Unit P-14-9-16

GL 5707' & RKB 12' @ 5719.00ft 5707.00  
+N/-S 0.00 +E/-W 0.00 Northing 7180912.94 Easting 2033063.04 Latitude 40° 1' 29.910 N Longitude 110° 5' 52.150 W



Plan: Plan #1 (Jonah Unit P-14-9-16/OH)

Created By: Julie Cruse Date: 2008-06-10

PROJECT DETAILS: Duchesne County, UT NAD83 UTC

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Utah Central Zone  
Location:  
System Datum: Mean Sea Level  
Local North: True

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
1236.11	9.54	37.61	1233.18	41.86	32.25	1.50	37.61	52.84	
6039.39	9.54	37.61	5970.00	672.61	518.17	0.00	0.00	849.06	JU P-14-9-16 PBHL

# **Newfield Exploration Co.**

**Duchesne County, UT NAD83 UTC**

**Jonah Unit**

**Jonah Unit P-14-9-16**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**10 June, 2008**

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** Jonah Unit  
**Well:** Jonah Unit P-14-9-16  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Jonah Unit P-14-9-16  
**TVD Reference:** GL 5707' & RKB 12' @ 5719.00ft  
**MD Reference:** GL 5707' & RKB 12' @ 5719.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

<b>Project</b>	Duchesne County, UT NAD83 UTC		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

Site	Jonah Unit,				
Site Position:		Northing:	7,195,384.71 ft	Latitude:	40° 3' 51.060 N
From:	Lat/Long	Easting:	2,044,880.81 ft	Longitude:	110° 3' 17.240 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	0.93 °

Well	Jonah Unit P-14-9-16, 513' FSL 510' FEL Sec 15 T9S R16E					
Well Position	+N/-S	0.00 ft	Northing:	7,180,912.94 ft	Latitude:	40° 1' 29.910 N
	+E/-W	0.00 ft	Easting:	2,033,063.04 ft	Longitude:	110° 5' 52.150 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,707.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2005-10	2008-06-10	11.70	65.85	52,575

<b>Design</b>	Plan #1				
<b>Audit Notes:</b>					
<b>Version:</b>	<b>Phase:</b>	PLAN		<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>	
	(ft)	(ft)	(ft)	(°)	
	0.00	0.00	0.00	37.61	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,236.11	9.54	37.61	1,233.18	41.86	32.25	1.50	1.50	0.00	37.61	
6,039.39	9.54	37.61	5,970.00	672.61	518.17	0.00	0.00	0.00	0.00	JU P-14-9-16 PBHL

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** Jonah Unit  
**Well:** Jonah Unit P-14-9-16  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Jonah Unit P-14-9-16  
**TVD Reference:** GL 5707' & RKB 12' @ 5719.00ft  
**MD Reference:** GL 5707' & RKB 12' @ 5719.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	37.61	699.99	1.04	0.80	1.31	1.50	1.50	0.00
800.00	3.00	37.61	799.91	4.15	3.19	5.23	1.50	1.50	0.00
900.00	4.50	37.61	899.69	9.33	7.19	11.77	1.50	1.50	0.00
1,000.00	6.00	37.61	999.27	16.58	12.77	20.92	1.50	1.50	0.00
1,100.00	7.50	37.61	1,098.57	25.89	19.94	32.68	1.50	1.50	0.00
1,200.00	9.00	37.61	1,197.54	37.25	28.70	47.03	1.50	1.50	0.00
1,236.11	9.54	37.61	1,233.18	41.86	32.25	52.84	1.50	1.50	0.00
1,300.00	9.54	37.61	1,296.18	50.25	38.71	63.44	0.00	0.00	0.00
1,400.00	9.54	37.61	1,394.80	63.38	48.83	80.01	0.00	0.00	0.00
1,500.00	9.54	37.61	1,493.41	76.52	58.95	96.59	0.00	0.00	0.00
1,600.00	9.54	37.61	1,592.03	89.65	69.06	113.16	0.00	0.00	0.00
1,700.00	9.54	37.61	1,690.65	102.78	79.18	129.74	0.00	0.00	0.00
1,800.00	9.54	37.61	1,789.26	115.91	89.30	146.32	0.00	0.00	0.00
1,900.00	9.54	37.61	1,887.88	129.04	99.41	162.89	0.00	0.00	0.00
2,000.00	9.54	37.61	1,986.50	142.17	109.53	179.47	0.00	0.00	0.00
2,100.00	9.54	37.61	2,085.11	155.31	119.64	196.05	0.00	0.00	0.00
2,200.00	9.54	37.61	2,183.73	168.44	129.76	212.62	0.00	0.00	0.00
2,300.00	9.54	37.61	2,282.35	181.57	139.88	229.20	0.00	0.00	0.00
2,400.00	9.54	37.61	2,380.96	194.70	149.99	245.78	0.00	0.00	0.00
2,500.00	9.54	37.61	2,479.58	207.83	160.11	262.35	0.00	0.00	0.00
2,600.00	9.54	37.61	2,578.19	220.96	170.23	278.93	0.00	0.00	0.00
2,700.00	9.54	37.61	2,676.81	234.10	180.34	295.51	0.00	0.00	0.00
2,800.00	9.54	37.61	2,775.43	247.23	190.46	312.08	0.00	0.00	0.00
2,900.00	9.54	37.61	2,874.04	260.36	200.58	328.66	0.00	0.00	0.00
3,000.00	9.54	37.61	2,972.66	273.49	210.69	345.24	0.00	0.00	0.00
3,100.00	9.54	37.61	3,071.28	286.62	220.81	361.81	0.00	0.00	0.00
3,200.00	9.54	37.61	3,169.89	299.75	230.92	378.39	0.00	0.00	0.00
3,300.00	9.54	37.61	3,268.51	312.88	241.04	394.97	0.00	0.00	0.00
3,400.00	9.54	37.61	3,367.13	326.02	251.16	411.54	0.00	0.00	0.00
3,500.00	9.54	37.61	3,465.74	339.15	261.27	428.12	0.00	0.00	0.00
3,600.00	9.54	37.61	3,564.36	352.28	271.39	444.69	0.00	0.00	0.00
3,700.00	9.54	37.61	3,662.98	365.41	281.51	461.27	0.00	0.00	0.00
3,800.00	9.54	37.61	3,761.59	378.54	291.62	477.85	0.00	0.00	0.00
3,900.00	9.54	37.61	3,860.21	391.67	301.74	494.42	0.00	0.00	0.00
4,000.00	9.54	37.61	3,958.83	404.81	311.86	511.00	0.00	0.00	0.00
4,100.00	9.54	37.61	4,057.44	417.94	321.97	527.58	0.00	0.00	0.00
4,200.00	9.54	37.61	4,156.06	431.07	332.09	544.15	0.00	0.00	0.00
4,300.00	9.54	37.61	4,254.68	444.20	342.20	560.73	0.00	0.00	0.00
4,400.00	9.54	37.61	4,353.29	457.33	352.32	577.31	0.00	0.00	0.00
4,500.00	9.54	37.61	4,451.91	470.46	362.44	593.88	0.00	0.00	0.00
4,600.00	9.54	37.61	4,550.53	483.60	372.55	610.46	0.00	0.00	0.00
4,700.00	9.54	37.61	4,649.14	496.73	382.67	627.04	0.00	0.00	0.00
4,800.00	9.54	37.61	4,747.76	509.86	392.79	643.61	0.00	0.00	0.00
4,900.00	9.54	37.61	4,846.37	522.99	402.90	660.19	0.00	0.00	0.00
5,000.00	9.54	37.61	4,944.99	536.12	413.02	676.77	0.00	0.00	0.00
5,100.00	9.54	37.61	5,043.61	549.25	423.14	693.34	0.00	0.00	0.00
5,200.00	9.54	37.61	5,142.22	562.39	433.25	709.92	0.00	0.00	0.00

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** Jonah Unit  
**Well:** Jonah Unit P-14-9-16  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Jonah Unit P-14-9-16  
**TVD Reference:** GL 5707' & RKB 12' @ 5719.00ft  
**MD Reference:** GL 5707' & RKB 12' @ 5719.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	9.54	37.61	5,240.84	575.52	443.37	726.50	0.00	0.00	0.00
5,400.00	9.54	37.61	5,339.46	588.65	453.48	743.07	0.00	0.00	0.00
5,500.00	9.54	37.61	5,438.07	601.78	463.60	759.65	0.00	0.00	0.00
5,600.00	9.54	37.61	5,536.69	614.91	473.72	776.22	0.00	0.00	0.00
5,700.00	9.54	37.61	5,635.31	628.04	483.83	792.80	0.00	0.00	0.00
5,800.00	9.54	37.61	5,733.92	641.18	493.95	809.38	0.00	0.00	0.00
5,900.00	9.54	37.61	5,832.54	654.31	504.07	825.95	0.00	0.00	0.00
6,000.00	9.54	37.61	5,931.16	667.44	514.18	842.53	0.00	0.00	0.00
6,039.39	9.54	37.61	5,970.00	672.61	518.17	849.06	0.00	0.00	0.00

### Targets

#### Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
JU P-14-9-16 PBHL	0.00	0.00	5,970.00	672.61	518.17	7,181,593.59	2,033,570.60	40° 1' 36.557 N	110° 5' 45.488 W
- plan hits target center									
- Circle (radius 75.00)									

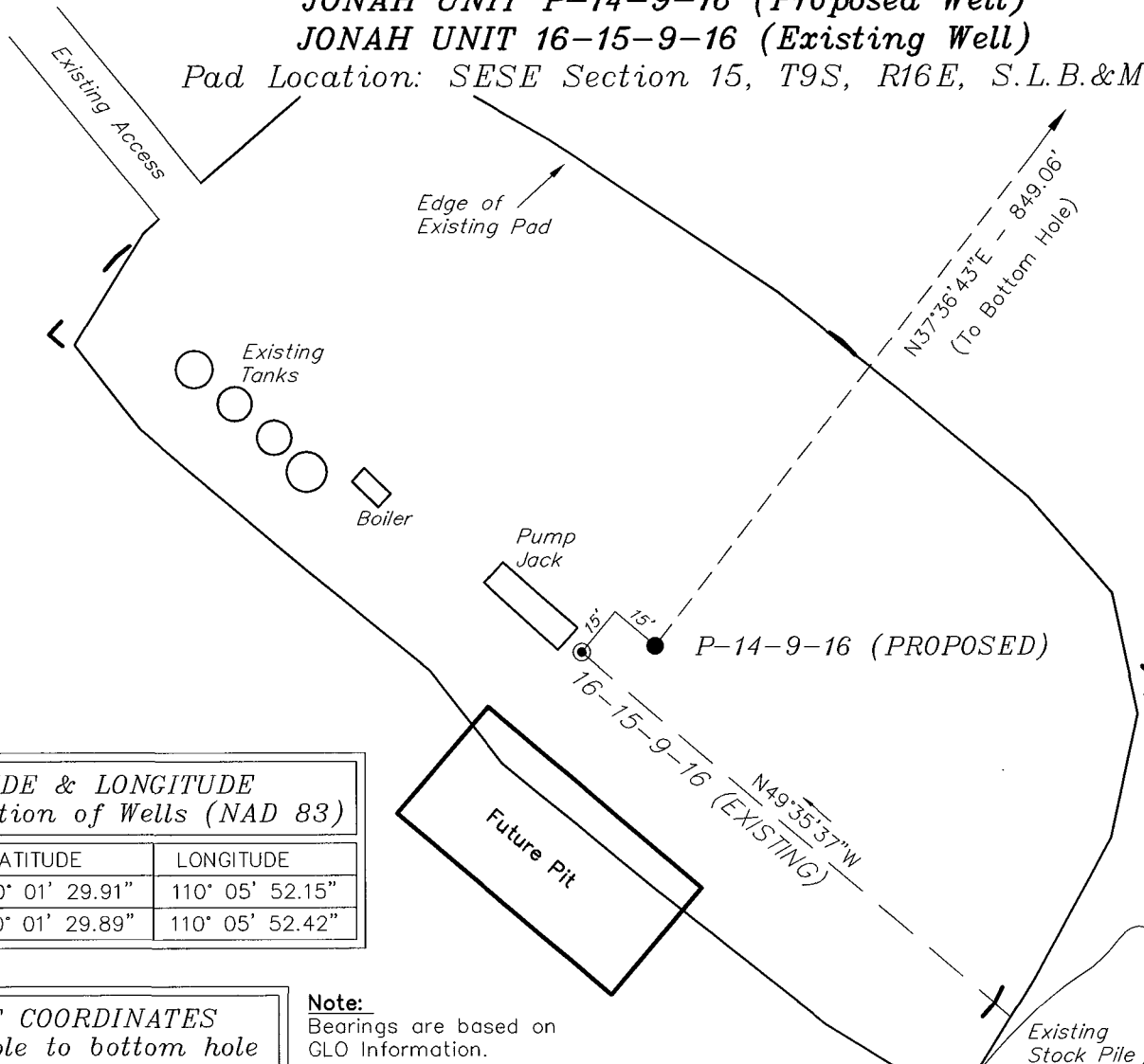
# NEWFIELD PRODUCTION COMPANY

## WELL PAD INTERFERENCE PLAT

JONAH UNIT P-14-9-16 (Proposed Well)

JONAH UNIT 16-15-9-16 (Existing Well)

Pad Location: SESE Section 15, T9S, R16E, S.L.B.&M.



### TOP HOLE FOOTAGES

P-14-9-16 (PROPOSED)  
513' FSL & 510' FEL

### BOTTOM HOLE FOOTAGES

P-14-9-16 (PROPOSED)  
1185' FSL & 15' FWL

### LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
P-14-9-16	40° 01' 29.91"	110° 05' 52.15"
16-15-9-16	40° 01' 29.89"	110° 05' 52.42"

### RELATIVE COORDINATES From top hole to bottom hole

WELL	NORTH	EAST
P-14-9-16	673'	518'

### Note:

Bearings are based on  
GLO Information.

SURVEYED BY: T.H.	DATE SURVEYED: 04-26-08
DRAWN BY: F.T.M.	DATE DRAWN: 04-29-08
SCALE: 1" = 50'	REVISED:

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

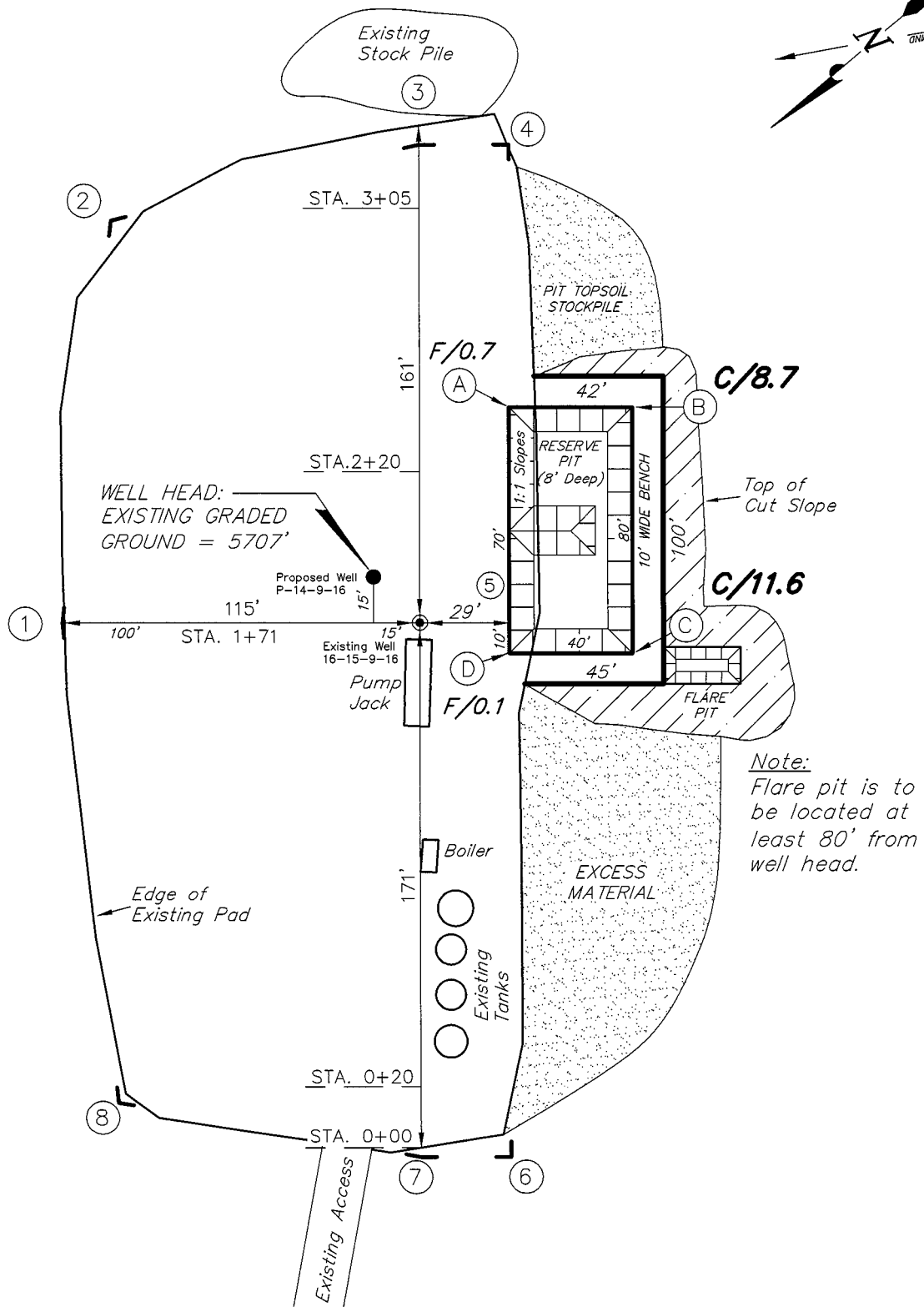
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

JONAH UNIT P-14-9-16 (Proposed Well)

JONAH UNIT 16-15-9-16 (Existing Well)

Pad Location: SESE Section 15, T9S, R16E, S.L.B.&M.



SURVEYED BY: T.H.	DATE SURVEYED: 04-26-08
DRAWN BY: F.T.M.	DATE DRAWN: 04-29-08
SCALE: 1" = 50'	REVISED:

Tri State  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

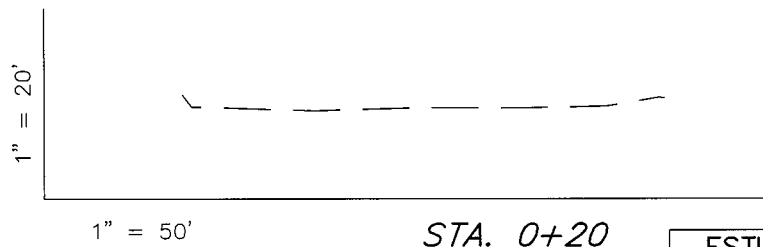
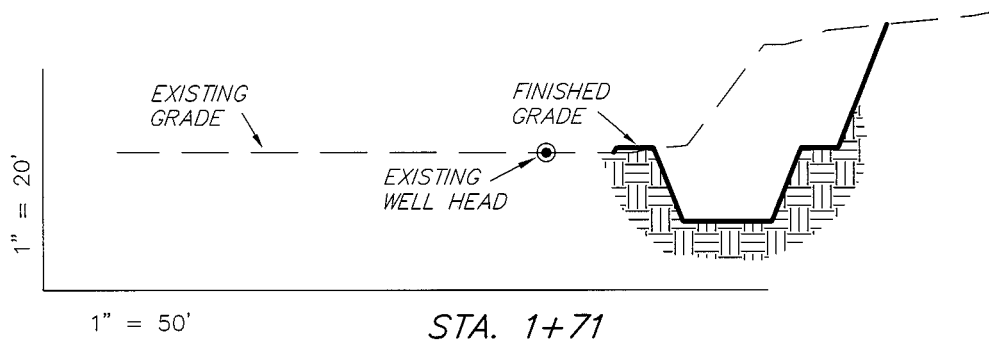
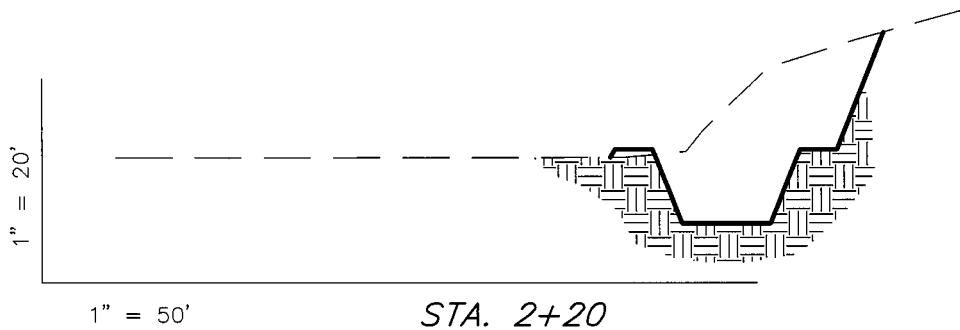
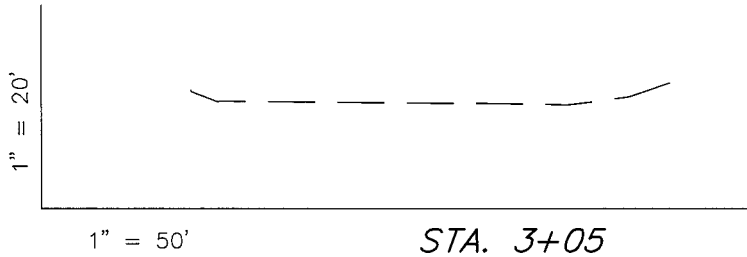


# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

JONAH UNIT P-14-9-16 (Proposed Well)

JONAH UNIT 16-15-9-16 (Existing Well)



NOTE:  
UNLESS OTHERWISE NOTED  
CUT SLOPES ARE AT 1:1  
FILL SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,990	30	Topsoil is not included in Pad Cut	1,960
PIT	640	0		640
TOTALS	2,630	30	180	2,600

SURVEYED BY: T.H.	DATE SURVEYED: 04-26-08
DRAWN BY: F.T.M.	DATE DRAWN: 04-29-08
SCALE: 1" = 50'	REVISED:

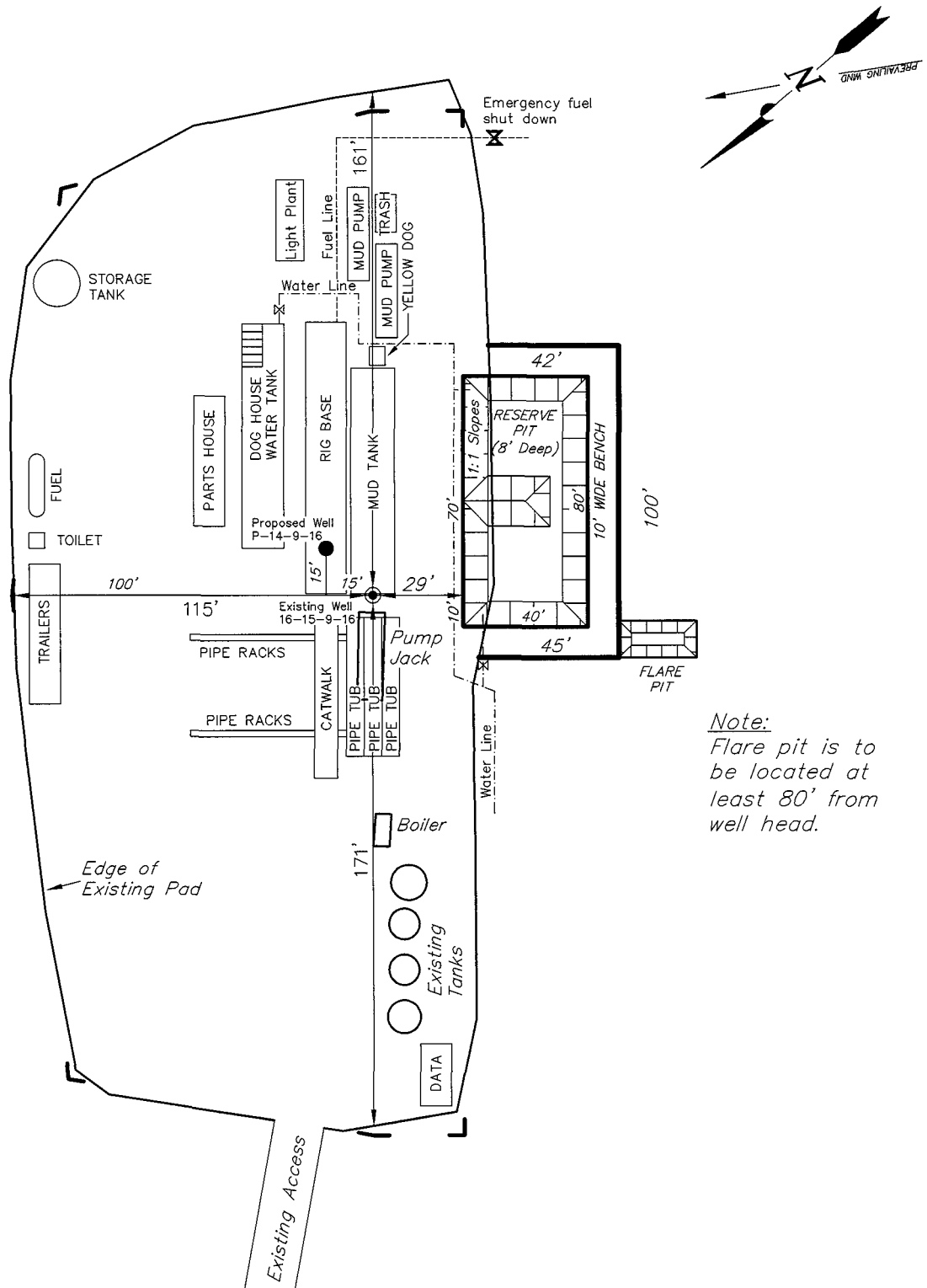
**Tri State**  
Land Surveying, Inc.  
(435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

JONAH UNIT P-14-9-16 (Proposed Well)

JONAH UNIT 16-15-9-16 (Existing Well)



Note:  
Flare pit is to be located at least 80' from well head.

SURVEYED BY: T.H.	DATE SURVEYED: 04-26-08
DRAWN BY: F.T.M.	DATE DRAWN: 04-29-08
SCALE: 1" = 50'	REVISED:

**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# Newfield Production Company

## Proposed Site Facility Diagram

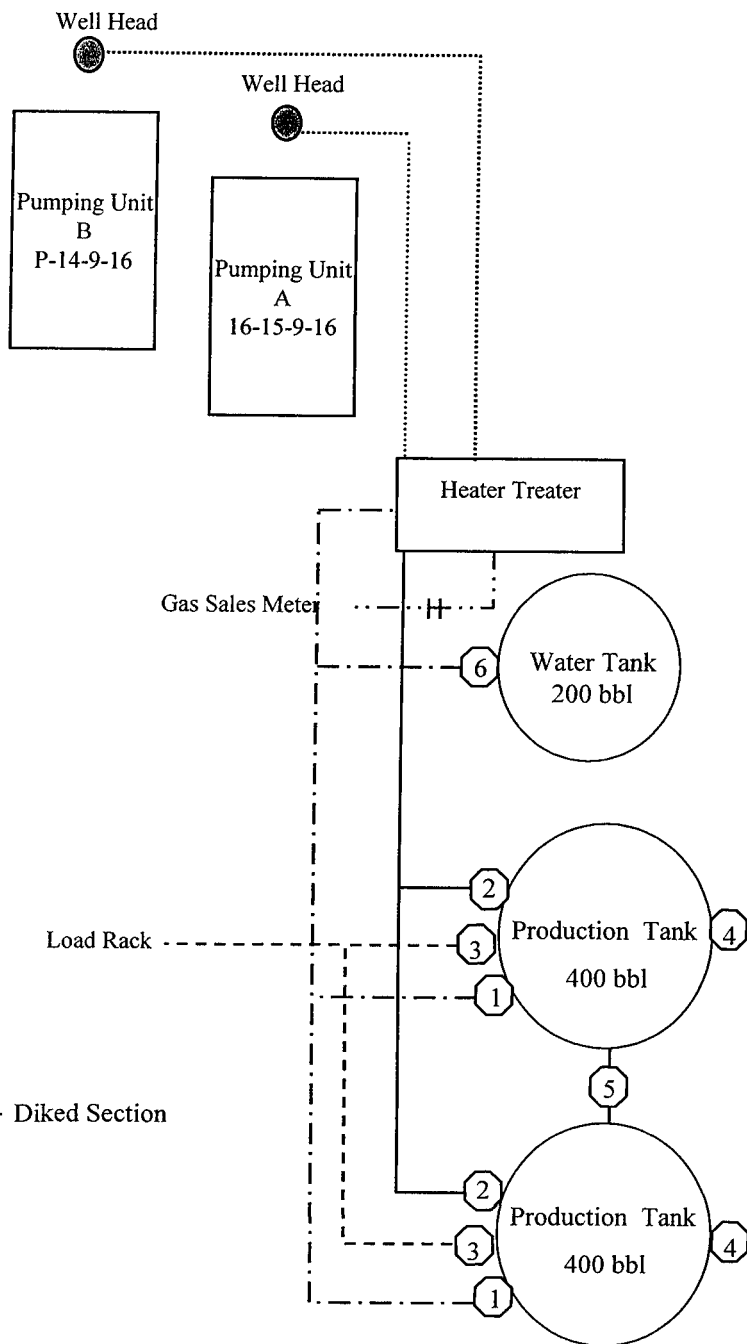
Jonah Federal P-14-9-16

From the 16-15-9-16 Location

SE/SE Sec. 15 T9S, R16E

Duchesne County, Utah

UTU-096547



Site Security Plan is held at the Pleasant Valley Office, Duchesne County, Utah

### Production Phase:

- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5, and 6 sealed open

### Sales Phase:

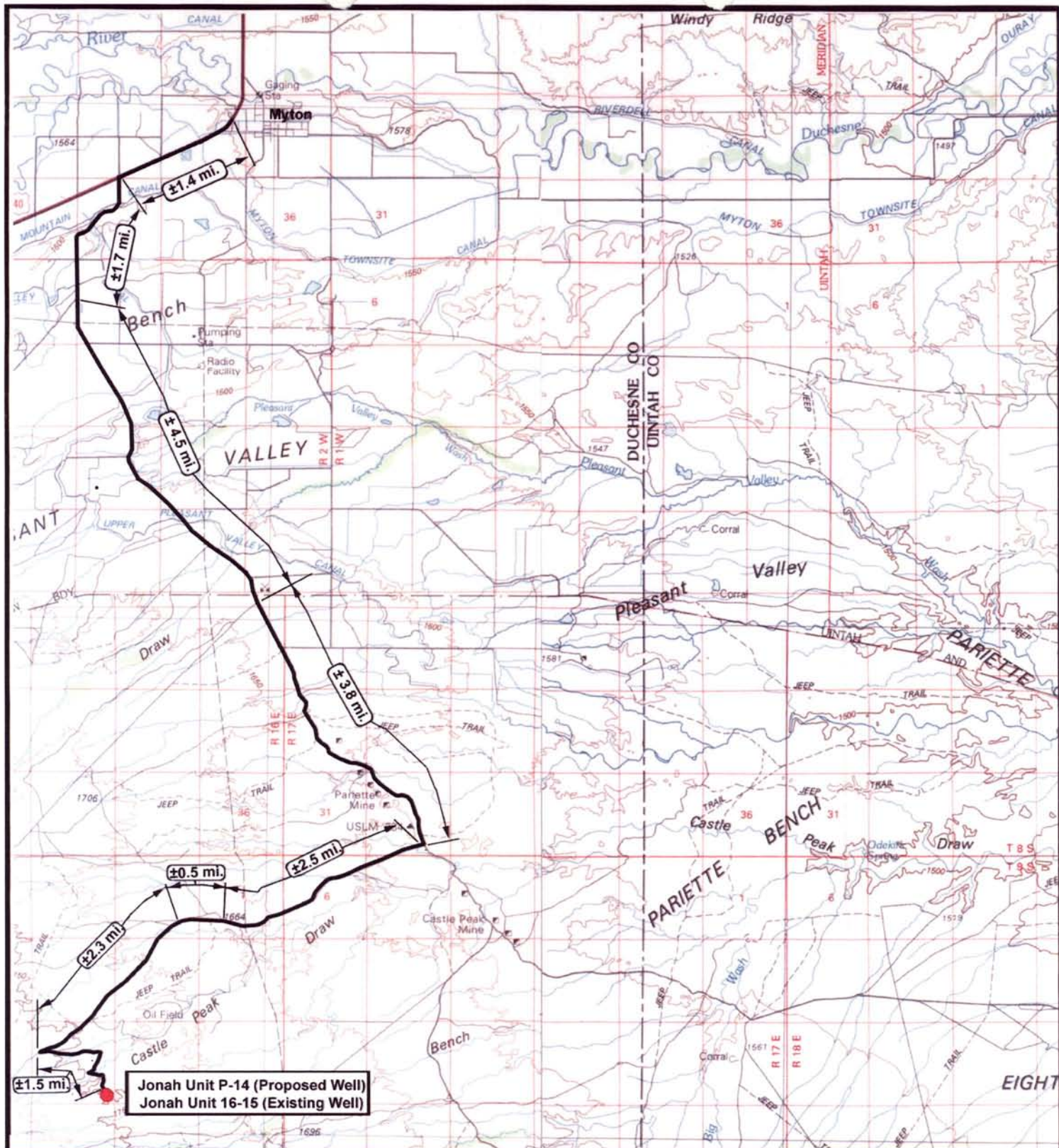
- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open


### Draining Phase:

- 1) Valves 1 and 6 open

### Legend

Emulsion Line	.....
Load Rack	-----
Water Line	.....
Gas Sales	.....
Oil Line	————





**NEWFIELD**  
Exploration Company

**Jonah Unit P-14-9-16 (Proposed Well)**  
**Jonah Unit 16-15-9-16 (Existing Well)**  
 Pad Location: SESE SEC. 15, T9S, R16E, S.L.B.&M.



**Tri-State**  
Land Surveying Inc.  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1:100,000  
 DRAWN BY: nc  
 DATE: 05-02-2008

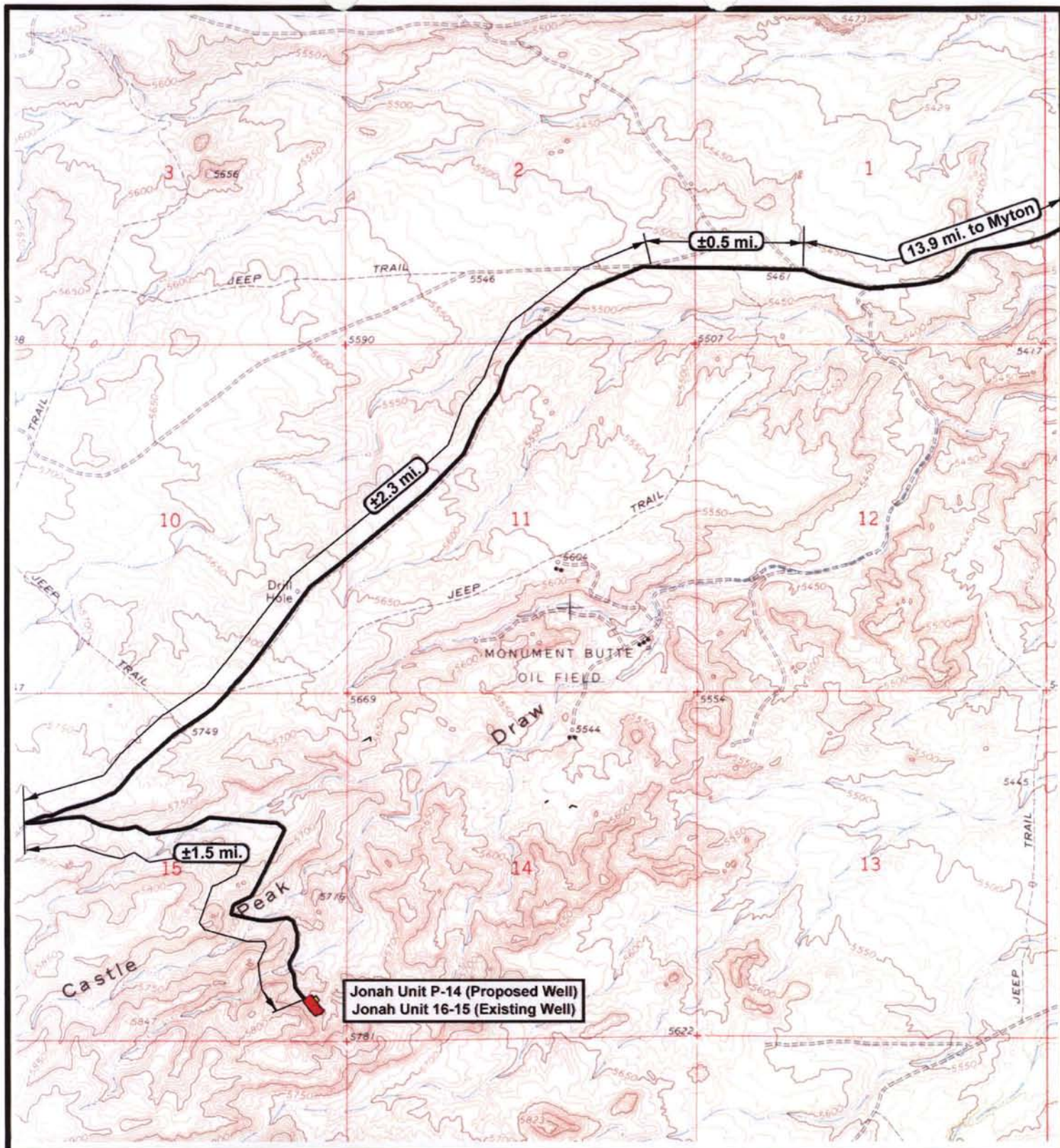
**Legend**

Existing Road

**TOPOGRAPHIC MAP**

"A"





**NEWFIELD**  
Exploration Company

**Jonah Unit P-14-9-16 (Proposed Well)**  
**Jonah Unit 16-15-9-16 (Existing Well)**  
Pad Location SESE SEC. 15, T9S, R16E, S.L.B.&M.



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'

DRAWN BY: nc

DATE: 05-02-2008

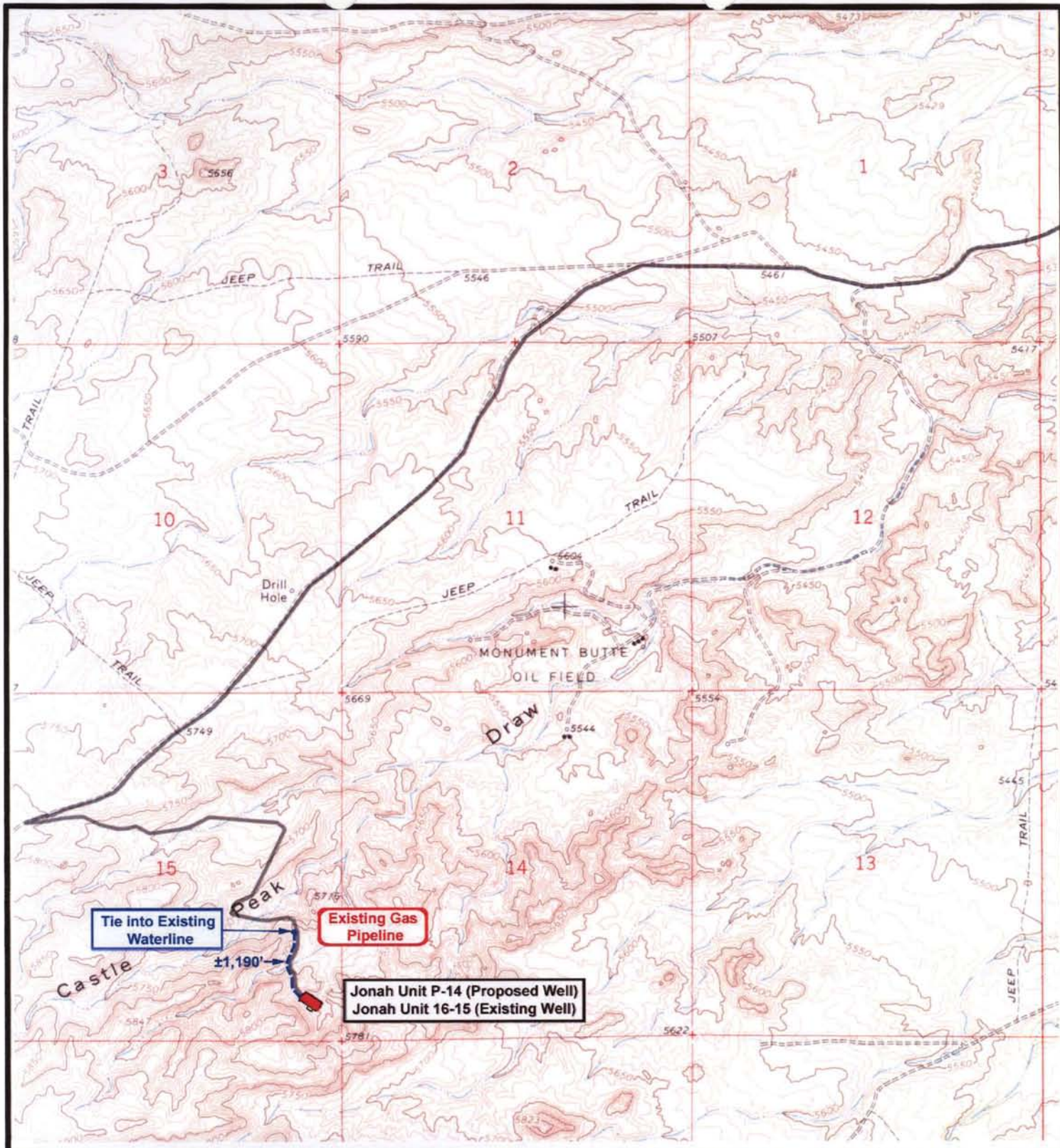
**Legend**


Existing Road

TOPOGRAPHIC MAP

**"B"**







**NEWFIELD**  
Exploration Company

**Jonah Unit P-14-9-16 (Proposed Well)**  
**Jonah Unit 16-15-9-16 (Existing Well)**  
 Pad Location SESE SEC. 15, T9S, R16E, S.L.B.&M.



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'  
 DRAWN BY: nc  
 DATE: 05-02-2008

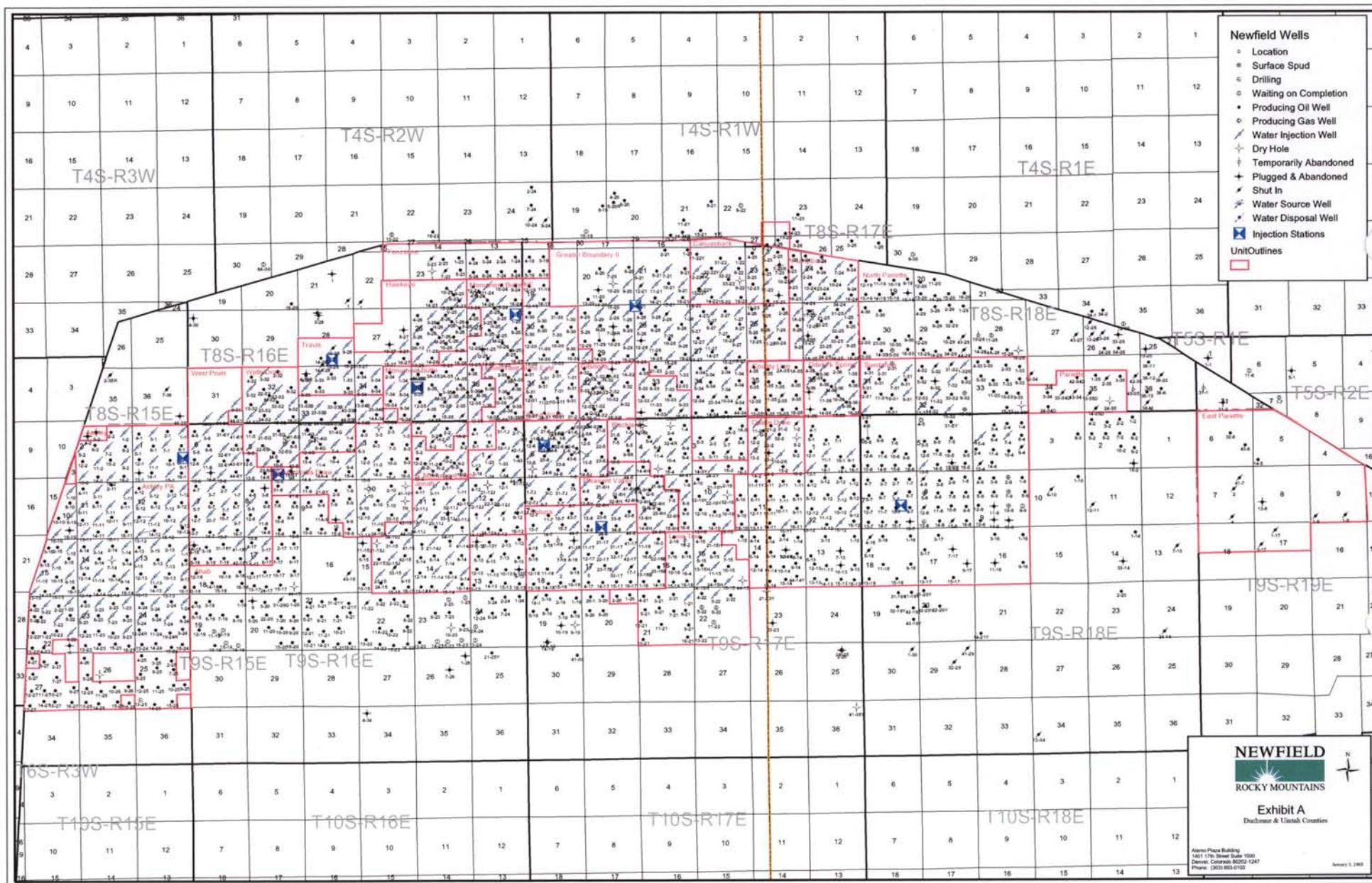
**Legend**

— Roads  
 - - - Proposed Water Line

**TOPOGRAPHIC MAP**

"C"





# Newfield Wells

- Location
- Surface Spud
- Drilling
- Waiting on Completion
- Producing Oil Well
- Producing Gas Well
- Water Injection Well
- Dry Hole
- Temporarily Abandoned
- Plugged & Abandoned
- Shut In
- Water Source Well
- Water Disposal Well
- Injection Stations
- Unit Outlines



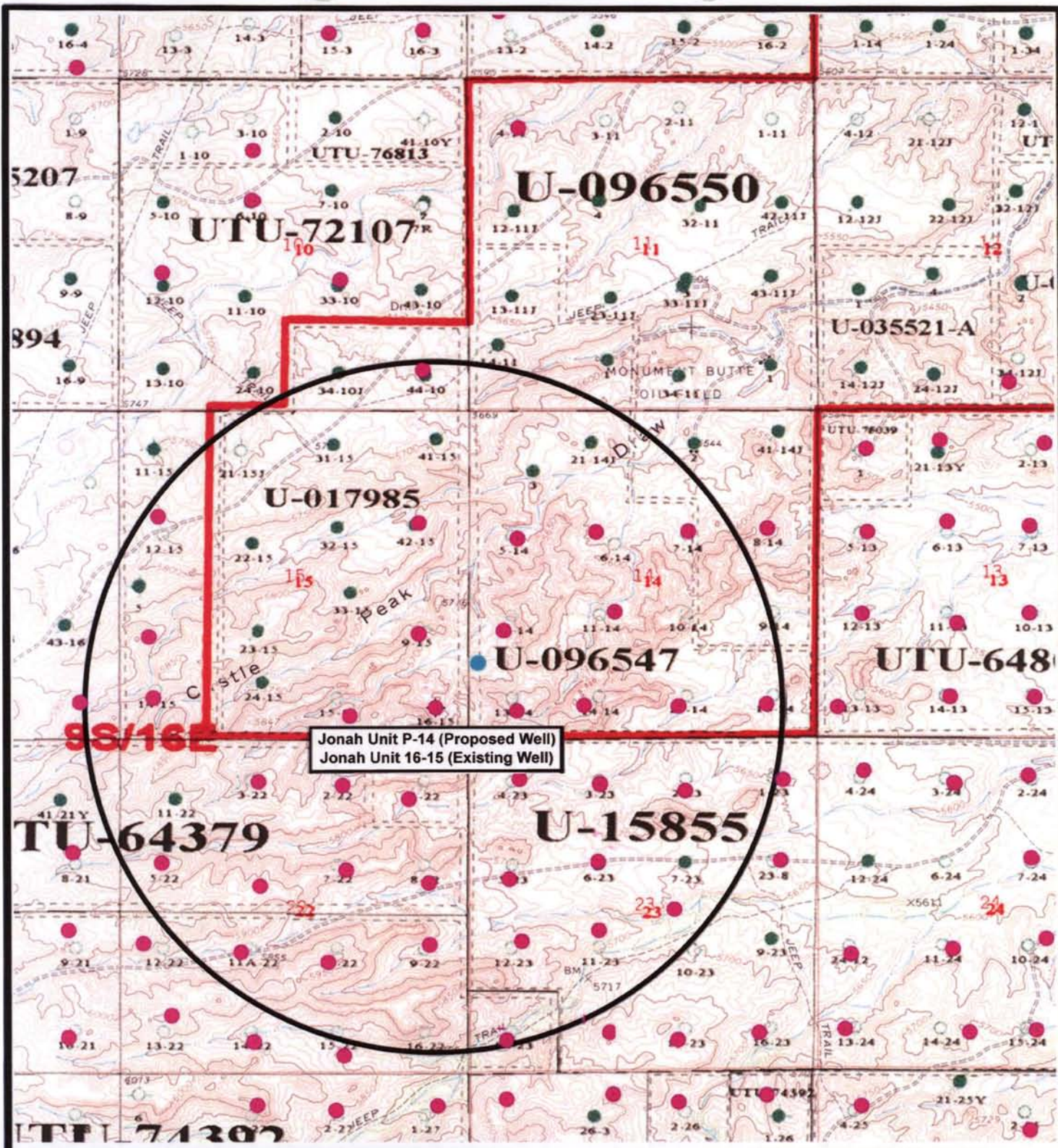
## Exhibit A

Duchenne & Uintah Counties

Aspen Plaza Building  
1401 17th Street Suite 1000  
Denver, Colorado 80202-1247  
Phone: (303) 855-6700

January 3, 2009





Jonah Unit P-14 (Proposed Well)  
Jonah Unit 16-15 (Existing Well)



**NEWFIELD**  
Exploration Company

**Jonah Unit P-14-9-16 (Proposed Well)**  
**Jonah Unit 16-15-9-16 (Existing Well)**  
Pad Location SESE SEC. 15, T9S, R16E, S.L.B.&M.



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

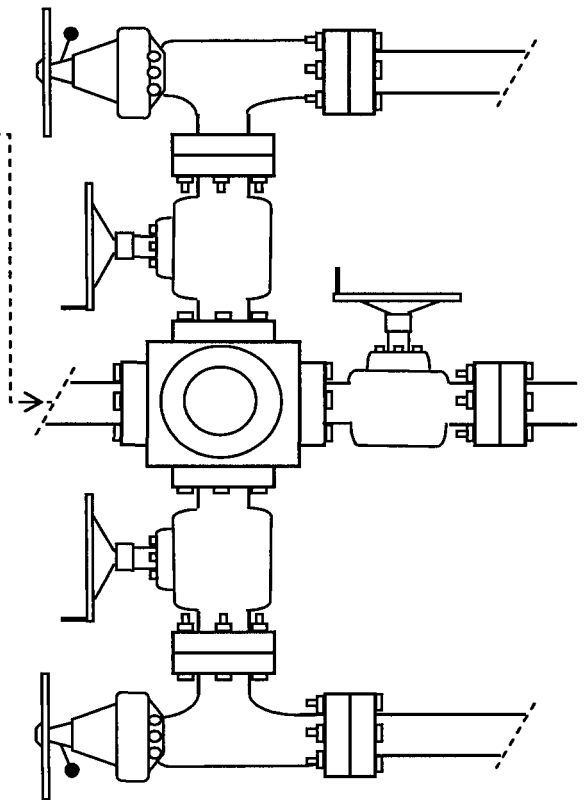
SCALE: 1" = 2000'  
DRAWN BY: nc  
DATE: 05-02-2008

**Legend**

- Pad Location
- Bottom Hole Location
- One-Mile Radius

**Exhibit "B"**





## EXHIBIT C

CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATION'S 80-ACRE PARCEL  
NEAR CASTLE PEAK DRAW  
(T9S, R16E, SEC. 15),  
DUCHESNE COUNTY, UTAH

Exhibit "D"  
1 of 3

by

Andy Wakefield  
and  
Shari Silverman

Prepared For:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

Newfield Exploration Corporation  
Route 3 Box 3630  
Myton, UT 84052

Prepared By:

Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

MOAC Report No. 04-348

January 12, 2005

United States Department of Interior (FLPMA)  
Permit No. 04-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-04-MQ-1479b

2 of 3

CULTURAL RESOURCE INVENTORY OF INLAND  
RESOURCES' SIX BLOCK PARCELS (T8S, R17E, SEC. 20, 33, 34;  
T9S R16E S. 15; T9S R17E S. 17, 20; and T9S R18E S. 7)  
DUCHESNE AND UINTAH COUNTIES, UTAH

by

Melissa Elkins  
and  
Keith Montgomery

Prepared For:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

Inland Resources  
Route 3 Box 3630  
Myton, UT 84052

Prepared By:

Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

MOAC Report No. 04-94

June 2, 2004

United States Department of Interior (FLPMA)  
Permit No. 04-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-04-MQ-0436b,p

**NEWFIELD PRODUCTION COMPANY**

**PALEONTOLOGICAL FIELD SURVEY OF  
PROPOSED WELL SITES 9, 15, & 16-15-9-16**

**DUCHESNE COUNTY, UTAH**

(NE 1/4, SW 1/4 & SE 1/4, SE 1/4, Section 15, T 9 S, R 16 E)

**ADDENDUM REPORT**

**REPORT OF FIELD SURVEY**

Prepared for:

**Newfield Production Company**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
August 20, 2005

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/10/2008

API NO. ASSIGNED: 43-013-34124

WELL NAME: JONAH FED P-14-9-16

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SESE 15 090S 160E

SURFACE: 0513 FSL 0510 FEL

BOTTOM: 1185 FSL 0015 FWL

COUNTY: DUCHESNE

LATITUDE: 40.02495 LONGITUDE: -110.0972

UTM SURF EASTINGS: 577037 NORTHINGS: 4430706

FIELD NAME: MONUMENT BUTTE ( 105 )

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-096547

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WYB000493 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 43-7478 )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

\_\_\_\_\_ R649-2-3.  
Unit: JONAH (GRRV)  
\_\_\_\_\_ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
\_\_\_\_\_ R649-3-3. Exception  
☒ Drilling Unit  
Board Cause No: 228-2  
Eff Date: 7-16-1993  
Siting: ~~Does Not Suspend Gen. Siting~~  
☒ R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_

STIPULATIONS: 1- Federal Approval







# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

November 12, 2008

### Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2008 Plan of Development Jonah Unit, Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well is planned for calendar year 2008 within the Jonah Unit, Duchesne County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-34124	Jonah Fed P-14-9-16 Sec 15 T09S R16E 0513 FSL 0510 FEL	
	BHL Sec 14 T09S R16E 1185 FSL 0015 FWL	

We have no objections to permitting the well so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File – Jonah Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:11-12-08



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

November 18, 2008

Newfield Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Jonah Federal P-14-9-16 Well, Surface Location 513' FSL, 510' FEL, SE SE, Sec. 15,  
T. 9 South, R. 16 East, Bottom Location 1185' FSL, 15' FWL, SW SW, Sec. 14,  
T. 9 South, R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-34124.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal Field Office



Operator: Newfield Production Company  
Well Name & Number Jonah Federal P-14-9-16  
API Number: 43-013-34124  
Lease: UTU-096547

Surface Location: SE SE      Sec. 15      T. 9 South      R. 16 East  
Bottom Location: SW SW      Sec. 14      T. 9 South      R. 16 East

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

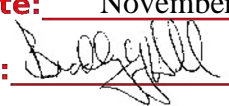
- Contact Dustin Doucet at (801) 538-5281    (801) 733-0983 home

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-096547			
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> JONAH (GRRV)			
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> JONAH FED P-14-9-16			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0513 FSL 0510 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 15 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013341240000			
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE			
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 11/10/2009  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input checked="" type="checkbox"/> APD EXTENSION            OTHER:         </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER:
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<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> Newfield requests to extend the permit to drill this year for one year.					
<b>Approved by the Utah Division of Oil, Gas and Mining</b>  <b>Date:</b> November 12, 2009 <b>By:</b> 					
<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech			
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/10/2009				



## The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

### Request for Permit Extension Validation Well Number 43013341240000

**API:** 43013341240000

**Well Name:** JONAH FED P-14-9-16

**Location:** 0513 FSL 0510 FEL QTR SESE SEC 15 TWNP 090S RNG 160E MER S

**Company Permit Issued to:** NEWFIELD PRODUCTION COMPANY

**Date Original Permit Issued:** 11/18/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Signature:** Mandie Crozier

**Date:** 11/10/2009

**Title:** Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

**Date:** November 12, 2009

**By:**

**RECEIVED** November 10, 2009

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-096547
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> JONAH FED P-14-9-16
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. API NUMBER:</b> 43013341240000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0513 FSL 0510 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 15 Township: 09.0S Range: 16.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 9/7/2010	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> APD EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	OTHER: <input type="text" value="Change of Lease"/>	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:		
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:		
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> As per the request of the BLM, the lease for the above mentioned well will now be considered UTU-017985.		
<b>Accepted by the</b> <b>Utah Division of</b> <b>Oil, Gas and Mining</b> <b>FOR RECORD ONLY</b> September 08, 2010		
<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/7/2010	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0137  
Expires July 31, 2010

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-017985
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name NA
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Greater Monument Butte
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Jonah Federal P-14-9-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43 013 34124
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SE/SE 513' FSL 510' FEL Sec. 15, T9S R16E (UTU-017985) At proposed prod. zone SW/SW 1185' FSL 15' FWL Sec. 14, T9S R16E (UTU-096547)		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximately 18.2 miles southwest of Myton, UT		11. Sec., T. R. M. or Blk. and Survey or Area Sec. 15, T9S R16E
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 15' f/lse, NA f/unit (Also to nearest drig. unit line, if any)	16. No. of acres in lease 560.00	17. Spacing Unit dedicated to this well 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1395'	19. Proposed Depth 5,970'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5707' GL	22. Approximate date work will start* 3rd Qtr. 2010	23. Estimated duration (7) days from SPUD to rig release
24. Attachments		

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

- |  |   |
|--|---|
| 1. Well plat certified by a registered surveyor.   | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan.  | 5. Operator certification   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM.             |

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 9/17/10
Title Regulatory Specialist		
Approved by (Signature) <i>James H. Sparger</i>	Name (Printed/Typed) James H. Sparger	Date SEP 17 2010
Title Acting Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

\*(Instructions on page 2)

UDOGM

NOTICE OF APPROVAL

RECEIVED

Sept 19 2010

RECEIVED /ED

OCT 14 2010 2010

DIV. OF OIL, GAS & MINING



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company:	Newfield Production Company	Location:	SESE, Sec. 15, T9S, R16E (S) SWSW, Sec. 14, T9S, R16E (B)
Well No:	Jonah Federal P-14-9-16	Lease No:	UTU-17985
API No:	43-013-34124	Agreement:	Greater Monument Butte Unit

**OFFICE NUMBER: (435) 781-4400**

**OFFICE FAX NUMBER: (435) 781-3420**

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: <a href="mailto:ut_vn_opreport@blm.gov">ut_vn_opreport@blm.gov</a> .
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO<sub>x</sub> per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO<sub>x</sub> per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.
- Construction and drilling is not allowed from February 1 – August 15 to minimize impacts during golden eagle nesting.
- If it is anticipated that construction or drilling will occur during the given timing restriction, a BLM or qualified biologist shall be notified so surveys can be conducted. Depending upon the results of the surveys, permission to proceed may or may not be recommended or granted by the BLM biologist.
- A hospital muffler will be used on the pump-jack upon completion in order to reduce noise levels for nesting raptors in the area.
- Prior to construction, an invasive plants/noxious weeds inventory will be completed for all areas where surface disturbance will occur, and a completed Weed Inventory Form will be submitted to the BLM Authorized Officer.

**Reclamation**

- Reclamation will be completed in accordance with the Newfield Exploration Company Castle Peak and Eight Mile Flat Reclamation Plan on file with the Vernal Field Office of the BLM.

### Seed Mix (Interim and Final Reclamation)

Common name	Latin name	lbs/acre	Recommended seed planting depth
Squirreltail grass	<i>Elymus elymoides</i>	2.0	¼ - ½"
Bluebunch wheatgrass	<i>Pseudoroegneria spicata</i>	1.0	½"
Shadscale saltbush	<i>Atriplex confertifolia</i>	2.0	½"
Four-wing saltbush	<i>Atriplex canescens</i>	3.0	½"
Gardner's saltbush	<i>Atriplex gardneri</i>	1.0	½"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	1.0	⅛ - ¼"

- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.

### Monitoring and Reporting

- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) that designates the proposed site-specific monitoring and reference sites chosen for the location. A description of the proposed sites shall be included, as well as a map showing the locations of the proposed sites.
- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) 3 growing seasons after reclamation efforts have occurred evaluating the status of the reclaimed areas in order to determine whether the BLM standards set forth in the Green River District Reclamation Guidelines have been met (30% or greater basal cover).



**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- Newfield Production Co. shall adhere to all referenced requirements in the SOP (version: June 24, 2008) along with all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4.

Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

Spud  
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration

Rig Name/# Ross #21

Submitted By Mitch Benson

Phone Number (435) 823-5885

Name/Numer Jonah Federal P-14-9-16

Qtr/Qrt SE/SE Section 15 Township 9S Range 16E

Lease Serial Number UTU-017985

API Number 43-013-34124

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 10/19/2010 8:00:00 AM

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 10/19/2010 2:00:00 PM

Remarks:

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999		4301350306	ALLEN TRUST 1-24-4-2	NENE	24	4S	2W	DUCHESNE	10/10/2010	
WELL 1 COMMENTS: <i>Duplicate - processed 10/12/10</i>											
A	99999		4301350377	UTE TRIBAL 9-14-4-3	NESE	14	4S	3W	DUCHESNE	10/7/2010	
<i>Duplicate - processed 10/12/10</i>											
A	99999	17820	4304751122	UTE TRIBAL 9-10-4-1E	NESE	10	4S	1E	UINTAH	10/13/2010	10/19/10
<i>GRRV PA'd 10/18/10 See 43-047-51326</i>											
B	99999	17400	4301350051	FEDERAL 15-25-8-15	SWSE	25	8S	15E	DUCHESNE	10/19/2010	10/19/10
<i>GRRV</i>											
B	99999	17400	4301334124	JONAH FEDERAL P-14-9-16	SESE	14	9S	16E	DUCHESNE	10/19/2010	10/19/10
WELL 5 COMMENTS: <i>GRRV</i>											
A	99999	17820	4304751326	UTE TRIBAL 9A-10-4-1E	NESE	10	4S 9S	1E	UINTAH	10/18/2010	10/28/10
WELL 5 COMMENTS: <i>GRRV rigskid from 43047-51122</i>											

ACTION CODES (See instructions on back of form)

- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

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OCT 19 2010

DIV. OF OIL, GAS & MINING

Signature *[Signature]* Jentri Park  
Production Clerk  
Date 10/19/10

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
0513 FSL 0510 FEL  
Section 14 T9S R16E

5. Lease Serial No.

USA UTU-096547

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
GMBU

8. Well Name and No.  
JONAH P-14-9-16

9. API Well No.  
4301334124

10. Field and Pool, or Exploratory Area  
GREATER MB UNIT

11. County or Parish, State  
DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 10-19-10 MIRU ROSS spud rig #21. Drill 345' of 12 1/4" hole with air mist. TIH W/8 Jt's 8 5/8" J-55 24# csgn. Set @ 346.41.  
On 11-12-10 Cement with 180 sks of Class "G" w/ 2% CaCL+ 1/4# Cello Flake. Mixed @ 15.8 ppg> 1.17 cf/sk yeild. Returned 9 bbls cement to pit.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Xabier Lasa

Signature

Title

Drilling Foreman

Date

11/13/2010

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

**RECEIVED**

**NOV 17 2010**

**BUREAU OF OIL, GAS & MINING**

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8" CASING SET AT 346.41

LAST CASING 14 SET AT 5  
 DATUM 10  
 DATUM TO CUT OFF CASING 10  
 DATUM TO BRADENHEAD FLANGE 10  
 TD DRILLER 345 LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4"

OPERATOR Newfield Exploration Company  
 WELL JONAH P-14-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Ross # 21

LOG OF CASING STRING:								
PIECES	OD	ITEM - MAKE - DESCRIPTION		WT / FT	GRD	THREAD	CONDT	LENGTH
1	8 5/8"	Wellhead					A	0.95
8	8 5/8"	Casing ( shoe jt. 43.30')		24	J-55	STC	A	336.56
1	8 5/8"	guide shoe					A	0.9



[illegible]

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-096547
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 0513 FSL 0510 FEL OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 5, T9S, R16E		8. WELL NAME and NUMBER: JONAH P-14-9-16
PHONE NUMBER 435.646.3721		9. API NUMBER: 4301334124
		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
		COUNTY: DUCHESNE
		STATE: UT


11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 12/14/2010	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 12-14-10, attached is a daily completion status report.

RECEIVED  
DEC 21 2010  
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant  
SIGNATURE  DATE 12/15/2010

(This space for State use only)

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DEC 21 2010

DIV. OF OIL, GAS &amp; MINING

## Daily Activity Report

Format For Sundry

JONAH P-14-9-16

10/1/2010 To 2/28/2011

11/30/2010 Day: 1

Completion

Rigless on 11/30/2010 - Run CBL & shoot first stage. - Install 5M frac head. NU 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5957' cement top @ 50'. Perforate CP5/CP3/CP1 sds as shown in perforation report. 143 BWTR. SWIFN.

**Daily Cost:** \$0**Cumulative Cost:** \$15,885

12/8/2010 Day: 2

Completion

Rigless on 12/8/2010 - Frac stgs 1-6. Flowback. - RU PSI wireline. Set CFTP @ 5155' & perf A1 sds as shown in perforation report. RU BJ Services. Frac Stg 2- A1 sds as shown in stimulation report. 1026.5 BWTR. - Open well to pit for immediate flowback @ approx. 3 bpm. Well flowed for 7.5 hrs. Recovered 1350 bbls. SWIFN. - RU PSI wireline. Set CFTP @ 4190' & perf GB6/GB4 sds as shown in perforation report. RU BJ Services. Frac Stg 6- GB6/GB4 sds as shown in stimulation report. 2593.9 BWTR. - RU PSI wireline. Set CFTP @ 4660' & perf D1 sds as shown in perforation report. RU BJ Services. Frac Stg 5- D1 sds as shown in stimulation report. 2256.3 BWTR. - RU BJ Services. Frac Stg 1- CP5/CP3/CP1 sds as shown in stimulation report. 644.1 BWTR. - RU PSI wireline. Set CFTP @ 4990' & perf B2/B1 sds as shown in perforation report. RU BJ Services. Frac Stg 3- B2/B1 sds as shown in stimulation report. 1334.1 BWTR. - RU PSI wireline. Set CFTP @ 4820' & perf C/D3 sds as shown in perforation report. RU BJ Services. Frac Stg 4- C/D3 sds as shown in stimulation report. 1865.5 BWTR.

**Daily Cost:** \$0**Cumulative Cost:** \$115,444

12/10/2010 Day: 3

Completion

Nabors #809 on 12/10/2010 - MIRUWOR; TIH and tag plg. - Crew travel and safety meeting. Spot and unload tbg. MIRUWOR. Pumped 20 bbls and RU WL to set KP @ 4025'. RDWL and ND Frac BOPS and Well Head. RU work floor and tbg equip. RIH w/ new 4 3/4" bit, bitsub and 128 jts. 2 7/8" tbg. RU stripping rubber, swivel, mud pump and lines. SWIFN.

**Daily Cost:** \$0**Cumulative Cost:** \$126,414

12/11/2010 Day: 4

Completion

Nabors #809 on 12/11/2010 - DO/ CO Plgs to PBTD. RD SWVL and Swab back fluid. - Crew travel and safety meeting. HO heated 400 Bbl upright and thawed BOPS and tbg. 0 PSI on well. RU Pump lines and break circulation. Mill CIBP #1 in 12 min. TIH and tag CIBP #2 @ 4190' with no sand. Mill CIBP #2 in 20 min. TIH and tag sand @ 4636'. CO 24' sand to CIBP #3 @ 4660'. Mill CIBP #3 in 13 min. TIH and tag sand @ 4802'. CO 18' sand to CIBP #4 @ 4820'. Mill CIBP #4 in 15 min. TIH and tag sand @ 4949'. CO 41' sand to CIBP #5 @ 4990' Milled in 20 min. TIH and tag CIBP #6 @ 5155'. Milled out in 13 min. TIH and tag sand @ 5536'. CO 467' sand to PBTD @ 6003'. Circ. Well for 45 min. RD SWVL. POOH w/ 4 jts. RU to swab back 65 bbls. In 5 runs. RD swab equip. SWIFN. Drain pump lines. EOT @ 5878'

**Daily Cost:** \$0

**Cumulative Cost:** \$133,632

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**12/13/2010 Day: 5**

**Completion**

Nabors #809 on 12/13/2010 - Swab and Circ. Bottoms up. POOH and TBIH w/ production string and rods. - Crew travel and safety meeting. TP @ 50 psi. CP @ 50 psi. BD well and RU to swab. Made 12 swab runs- 96 bbls recovered. RD swab equipment. RIH w/ 4 jts 2 7/8" J-55 tbg. Tag @ 5997'. CO sand to 5003'. Circ w/ 120 Bbls. Brine. LD 5 jts. And POOH w/ 187 jts. LD bit and bit sub. RIH w/ 1-2 7/8" NC, 2 jts- 2 7/8" tbg, 1-2 7/8" SN, 1- jt 2 7/8" tbg, 1- 5 1/2" TAC and 184 jts. 2 7/8" tbg. RD work floor and ND BOPS. Set TAC w/ 20,000# tension @ 5790.41', NU well head and flow line change over to production. Drain pump and pump lines. Prep rods. RIH w/ 1- 1 3/4" pump, 4- 1 1/2" WT Bars, 75- 7/8" Guided rods. EOP @ 2000'. SWIFN.

**Daily Cost:** \$0

**Cumulative Cost:** \$138,750

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**12/14/2010 Day: 6**

**Completion**

Nabors #809 on 12/14/2010 - Continue running rods. Seat pump, stroke test and RDMOWOR. PWOP. - Crew travel and safety meeting. Cont PU rods. PU polish rod and seat pump. Fill tbg w/ 3 BW. RU Pumping Unit and stroke test to 800 psi. RDMOWOR. PWOP. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$184,705

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**Pertinent Files: Go to File List**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,  
Other: \_\_\_\_\_

2. Name of Operator  
NEWFIELD EXPLORATION COMPANY

3. Address  
1401 17TH ST. SUITE 1000 DENVER, CO 80202

3a. Phone No. (include area code)  
(435)646-3721

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface 513' FSL & 510' FEL (SE/SE) SEC. 15, T9S, R16E (UTU-017985)

At top prod. interval reported below 1022' FSL & 125' FEL (SE/SE) SEC. 15, T9S, R16E (UTU-017985)

At total depth 1292' FSL & 93' FWL (SW/SW) SEC. 14, T9S, R16E (UTU-096547)

14. Date Spudded  
10/19/2010

15. Date T.D. Reached  
11/20/2010

16. Date Completed 12/14/2010  
☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
5707' GL 5719' KB

18. Total Depth: MD 6063'  
TVD 5970'

19. Plug Back T.D.: MD 5957'  
TVD 5866'

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) SD, DEN, DL, MSF  
DUAL IND GRD, SP, COMP, DENSITY, COMP, NEUTRON, GR, CALIPER, CMT BOND

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	346'		180 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6047'		300 PRIMLITE		50'	
						430 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 5843'	TA @ 5744'						

25. Producing Intervals

Formation	Top	Bottom	Perforation Record	Size	No. Holes	Perf. Status
A) Green River	4074'	5796'	5515-5796'	.36"	42	
B)			4074-5078'	.34"	147	
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
4074-5796'	Frac w/ 214682#s 20/40 sand in 1647 bbls of Lightning 17 fluid in 6 stages

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/14/10	12/30/10	24	→	82	72	6.06			2-1/2" x 1-3/4" x 21' x 24' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

\*(See instructions and spaces for additional data on page 2)

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## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 29. Disposition of Gas (Solid, used for fuel, vented, etc.)

SOLD &amp; USED FOR FUEL

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

## GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	4074'	5796'		GARDEN GULCH MRK	3560'
				GARDEN GULCH 1	3773'
				GARDEN GULCH 2	3887'
				POINT 3	4137'
				X MRKR	4410'
				Y MRKR	4447'
				DOUGALS CREEK MRK	4568'
				BI CARBONATE MRK	4809'
				B LIMESTON MRK	4924'
				CASTLE PEAK	5432'
				BASAL CARBONATE	5901'

## 32. Additional remarks (include plugging procedure):

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other: Drilling Daily Activity

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Lucy Chavez-NaupotoTitle Administrative AssistantSignature Date 01/06/2011

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)

**NEWFIELD**



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)  
SECTION 15 T9S, R16E  
P-14-9-16**

**Wellbore #1**

**Design: Actual**

## **Standard Survey Report**

**22 November, 2010**





# PayZone Directional Services, LLC.

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 15 T9S, R16E  
**Well:** P-14-9-16  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well P-14-9-16  
**TVD Reference:** P-14-9-16 @ 5719.0ft (RIG 1)  
**MD Reference:** P-14-9-16 @ 5719.0ft (RIG 1)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

<b>Project</b>	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

<b>Site</b>	SECTION 15 T9S, R16E		
<b>Site Position:</b>		<b>Northing:</b>	7,183,000.00 ft
<b>From:</b>	Map	<b>Easting:</b>	2,036,100.00 ft
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"
		<b>Latitude:</b>	40° 1' 50.203 N
		<b>Longitude:</b>	110° 5' 12.634 W
		<b>Grid Convergence:</b>	0.91 °

<b>Well</b>	P-14-9-16, SHL LAT: 40 01 29.91, LONG: -110 05 52.15		
<b>Well Position</b>	<b>+N-S</b>	0.0 ft	<b>Northing:</b> 7,180,898.57 ft
	<b>+E-W</b>	0.0 ft	<b>Easting:</b> 2,033,058.98 ft
<b>Position Uncertainty</b>	0.0 ft	<b>Wellhead Elevation:</b>	5,719.0 ft
		<b>Latitude:</b>	40° 1' 29.910 N
		<b>Longitude:</b>	110° 5' 52.150 W
		<b>Ground Level:</b>	5,707.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	2010/11/09	11.40	65.79	52,312

<b>Design</b>	Actual			
<b>Audit Notes:</b>				
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b> 0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N-S (ft)</b>	<b>+E-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	37.61

<b>Survey Program</b>	Date 2010/11/22			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
352.0	6,063.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
352.0	0.10	342.70	352.0	0.3	-0.1	0.2	0.03	0.03	0.00
383.0	0.30	36.60	383.0	0.4	-0.1	0.3	0.82	0.65	173.87
413.0	0.40	32.20	413.0	0.5	0.1	0.5	0.34	0.33	-14.67
444.0	0.40	23.70	444.0	0.7	0.2	0.7	0.19	0.00	-27.42
475.0	0.40	47.50	475.0	0.9	0.3	0.9	0.53	0.00	76.77
505.0	0.50	57.90	505.0	1.0	0.5	1.1	0.43	0.33	34.67
536.0	0.90	50.30	536.0	1.3	0.8	1.5	1.32	1.29	-24.52
567.0	1.20	46.80	567.0	1.6	1.2	2.0	0.99	0.97	-11.29
597.0	1.70	34.30	597.0	2.2	1.7	2.8	1.96	1.67	-41.67
628.0	2.30	33.80	628.0	3.1	2.3	3.9	1.94	1.94	-1.61
659.0	2.70	34.40	658.9	4.2	3.0	5.2	1.29	1.29	1.94
689.0	3.10	35.90	688.9	5.5	3.9	6.7	1.36	1.33	5.00



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 MD Reference: P-14-9-16 @ 5719.0ft (RIG 1)  
 North Reference: True  
 Survey Calculation Method: Minimum Curvature  
 Database: EDM 2003.21 Single User Db

## Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
720.0	3.60	36.50	719.8	6.9	5.0	8.5	1.62	1.61	1.94
750.0	4.20	41.00	749.8	8.5	6.3	10.6	2.24	2.00	15.00
781.0	4.60	41.90	780.7	10.3	7.8	13.0	1.31	1.29	2.90
811.0	5.10	42.40	810.6	12.2	9.5	15.5	1.67	1.67	1.67
842.0	5.80	42.00	841.4	14.4	11.5	18.4	2.26	2.26	-1.29
886.0	6.50	40.90	885.2	17.9	14.6	23.1	1.61	1.59	-2.50
930.0	7.40	39.30	928.9	22.0	18.1	28.4	2.09	2.05	-3.64
974.0	7.70	39.00	972.5	26.5	21.7	34.2	0.69	0.68	-0.68
1,018.0	8.20	38.80	1,016.0	31.2	25.5	40.3	1.14	1.14	-0.45
1,062.0	8.70	39.20	1,059.6	36.2	29.6	46.8	1.14	1.14	0.91
1,106.0	9.20	38.40	1,103.0	41.6	33.9	53.6	1.17	1.14	-1.82
1,150.0	9.50	39.10	1,146.5	47.1	38.4	60.8	0.73	0.68	1.59
1,194.0	9.80	37.80	1,189.8	52.9	42.9	68.1	0.84	0.68	-2.95
1,238.0	10.40	37.40	1,233.1	59.0	47.7	75.8	1.37	1.36	-0.91
1,282.0	10.90	38.40	1,276.4	65.4	52.7	84.0	1.21	1.14	2.27
1,326.0	11.10	37.30	1,319.6	72.1	57.8	92.4	0.66	0.45	-2.50
1,370.0	11.30	36.70	1,362.7	78.9	62.9	100.9	0.53	0.45	-1.36
1,414.0	10.90	36.80	1,405.9	85.7	68.0	109.4	0.91	-0.91	0.23
1,458.0	10.80	36.90	1,449.1	92.3	73.0	117.7	0.23	-0.23	0.23
1,502.0	10.80	36.10	1,492.4	98.9	77.9	125.9	0.34	0.00	-1.82
1,546.0	10.30	34.60	1,535.6	105.5	82.5	134.0	1.30	-1.14	-3.41
1,590.0	10.20	34.50	1,578.9	112.0	87.0	141.8	0.23	-0.23	-0.23
1,634.0	10.10	34.00	1,622.2	118.4	91.4	149.5	0.30	-0.23	-1.14
1,678.0	9.70	34.10	1,665.6	124.6	95.6	157.1	0.91	-0.91	0.23
1,722.0	9.40	32.10	1,709.0	130.7	99.6	164.3	1.02	-0.68	-4.55
1,766.0	9.50	32.10	1,752.4	136.9	103.4	171.5	0.23	0.23	0.00
1,810.0	9.90	33.70	1,795.7	143.1	107.4	178.9	1.10	0.91	3.64
1,854.0	10.00	35.20	1,839.1	149.4	111.7	186.5	0.63	0.23	3.41
1,898.0	10.40	36.20	1,882.4	155.7	116.3	194.3	0.99	0.91	2.27
1,942.0	10.50	36.40	1,925.6	162.1	121.0	202.3	0.24	0.23	0.45
1,986.0	10.50	35.50	1,968.9	168.6	125.7	210.3	0.37	0.00	-2.05
2,030.0	10.50	36.70	2,012.2	175.1	130.4	218.3	0.50	0.00	2.73
2,074.0	10.60	36.40	2,055.4	181.6	135.2	226.4	0.26	0.23	-0.68
2,118.0	11.40	34.50	2,098.6	188.4	140.1	234.8	2.00	1.82	-4.32
2,162.0	11.40	32.80	2,141.7	195.6	144.9	243.4	0.76	0.00	-3.86
2,206.0	11.30	34.30	2,184.9	202.9	149.7	252.1	0.71	-0.23	3.41
2,250.0	11.30	36.60	2,228.0	209.9	154.7	260.7	1.02	0.00	5.23
2,294.0	11.30	38.00	2,271.2	216.7	159.9	269.3	0.62	0.00	3.18
2,338.0	11.30	36.80	2,314.3	223.6	165.2	277.9	0.53	0.00	-2.73
2,382.0	11.10	33.70	2,357.5	230.6	170.1	286.5	1.44	-0.45	-7.05
2,426.0	10.60	32.80	2,400.7	237.5	174.6	294.7	1.20	-1.14	-2.05
2,470.0	10.10	33.40	2,444.0	244.1	179.0	302.6	1.16	-1.14	1.36
2,514.0	10.30	33.60	2,487.3	250.6	183.3	310.4	0.46	0.45	0.45
2,558.0	10.10	33.50	2,530.6	257.1	187.6	318.1	0.46	-0.45	-0.23
2,602.0	10.60	37.70	2,573.9	263.5	192.2	326.0	2.06	1.14	9.55
2,646.0	11.50	39.22	2,617.1	270.1	197.4	334.5	2.15	2.05	3.45
2,690.0	12.10	39.00	2,660.1	277.1	203.1	343.5	1.37	1.36	-0.50
2,734.0	12.80	40.10	2,703.1	284.4	209.1	352.9	1.68	1.59	2.50
2,778.0	12.70	40.50	2,746.0	291.8	215.4	362.6	0.30	-0.23	0.91
2,822.0	12.50	40.70	2,789.0	299.1	221.7	372.2	0.47	-0.45	0.45
2,866.0	12.90	40.60	2,831.9	306.4	228.0	381.9	0.91	0.91	-0.23
2,910.0	13.60	39.90	2,874.7	314.1	234.5	392.0	1.63	1.59	-1.59
2,954.0	12.90	37.70	2,917.5	322.0	240.8	402.0	1.96	-1.59	-5.00
2,998.0	12.40	37.20	2,960.5	329.6	246.7	411.7	1.16	-1.14	-1.14



# PayZone Directional Services, LLC.

## Survey Report



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Wellbore: Wellbore #1  
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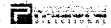
### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,042.0	13.20	38.00	3,003.4	337.4	252.6	421.4	1.86	1.82	1.82
3,086.0	13.70	38.30	3,046.2	345.4	258.9	431.7	1.15	1.14	0.68
3,130.0	14.00	38.10	3,088.9	353.7	265.4	442.2	0.69	0.68	-0.45
3,174.0	14.10	37.20	3,131.6	362.2	272.0	452.9	0.55	0.23	-2.05
3,218.0	14.60	36.00	3,174.2	370.9	278.5	463.8	1.32	1.14	-2.73
3,262.0	15.00	37.00	3,216.7	379.9	285.2	475.0	1.08	0.91	2.27
3,306.0	15.30	37.90	3,259.2	389.1	292.2	486.5	0.87	0.68	2.05
3,350.0	14.50	37.30	3,301.7	398.0	299.1	497.8	1.85	-1.82	-1.36
3,394.0	14.20	38.20	3,344.4	406.7	305.7	508.7	0.85	-0.68	2.05
3,438.0	13.80	39.60	3,387.0	414.9	312.4	519.4	1.19	-0.91	3.18
3,482.0	12.90	39.80	3,429.9	422.8	318.9	529.5	2.05	-2.05	0.45
3,526.0	12.60	39.40	3,472.8	430.2	325.1	539.2	0.71	-0.68	-0.91
3,570.0	12.00	40.40	3,515.8	437.4	331.1	548.6	1.45	-1.36	2.27
3,614.0	11.30	40.00	3,558.9	444.2	336.8	557.5	1.60	-1.59	-0.91
3,658.0	10.90	38.70	3,602.0	450.8	342.2	565.9	1.07	-0.91	-2.95
3,702.0	10.60	37.10	3,645.3	457.2	347.3	574.1	0.96	-0.68	-3.64
3,746.0	10.10	35.70	3,688.5	463.6	351.9	582.0	1.27	-1.14	-3.18
3,790.0	10.00	36.40	3,731.9	469.8	356.5	589.7	0.36	-0.23	1.59
3,834.0	10.50	36.40	3,775.2	476.1	361.1	597.5	1.14	1.14	0.00
3,878.0	10.70	36.30	3,818.4	482.6	365.9	605.6	0.46	0.45	-0.23
3,922.0	10.90	35.40	3,861.6	489.3	370.7	613.9	0.59	0.45	-2.05
3,966.0	10.70	35.50	3,904.9	496.0	375.5	622.1	0.46	-0.45	0.23
4,010.0	10.40	36.90	3,948.1	502.5	380.3	630.2	0.90	-0.68	3.18
4,054.0	10.20	37.80	3,991.4	508.8	385.0	638.0	0.58	-0.45	2.05
4,098.0	10.00	39.40	4,034.7	514.8	389.9	645.8	0.78	-0.45	3.64
4,142.0	10.70	41.30	4,078.0	520.8	395.0	653.6	1.77	1.59	4.32
4,186.0	10.80	41.80	4,121.2	527.0	400.4	661.8	0.31	0.23	1.14
4,230.0	10.80	41.30	4,164.5	533.1	405.9	670.1	0.21	0.00	-1.14
4,274.0	10.60	40.40	4,207.7	539.3	411.2	678.2	0.59	-0.45	-2.05
4,318.0	10.20	38.90	4,251.0	545.4	416.3	686.2	1.10	-0.91	-3.41
4,362.0	10.30	38.20	4,294.3	551.6	421.2	694.0	0.36	0.23	-1.59
4,406.0	10.00	39.50	4,337.6	557.6	426.0	701.7	0.86	-0.68	2.95
4,450.0	10.00	41.20	4,380.9	563.4	431.0	709.4	0.67	0.00	3.86
4,494.0	9.50	42.90	4,424.3	569.0	436.0	716.8	1.31	-1.14	3.86
4,538.0	8.90	43.80	4,467.7	574.1	440.8	723.8	1.40	-1.36	2.05
4,582.0	8.90	40.20	4,511.2	579.1	445.4	730.6	1.27	0.00	-8.18
4,626.0	9.40	38.30	4,554.6	584.6	449.8	737.6	1.33	1.14	-4.32
4,670.0	9.80	37.50	4,598.0	590.3	454.3	744.9	0.96	0.91	-1.82
4,714.0	9.60	36.90	4,641.4	596.2	458.8	752.3	0.51	-0.45	-1.36
4,758.0	9.90	37.00	4,684.7	602.2	463.3	759.8	0.68	0.68	0.23
4,802.0	10.30	37.60	4,728.1	608.3	467.9	767.5	0.94	0.91	1.36
4,846.0	9.90	34.20	4,771.4	614.6	472.5	775.2	1.63	-0.91	-7.73
4,890.0	10.20	32.50	4,814.7	621.0	476.7	782.9	0.96	0.68	-3.86
4,934.0	9.80	31.60	4,858.0	627.5	480.7	790.5	0.98	-0.91	-2.05
4,978.0	9.20	28.40	4,901.4	633.8	484.4	797.7	1.82	-1.36	-7.27
5,023.0	9.20	29.00	4,945.8	640.1	487.8	804.8	0.21	0.00	1.33
5,067.0	8.80	32.50	4,989.3	646.0	491.3	811.6	1.54	-0.91	7.95
5,111.0	9.00	34.10	5,032.8	651.7	495.1	818.4	0.72	0.45	3.64
5,154.0	9.10	34.70	5,075.2	657.3	498.9	825.1	0.32	0.23	1.40
5,198.0	9.30	36.50	5,118.7	663.0	503.0	832.2	0.80	0.45	4.09
5,242.0	9.20	38.50	5,162.1	668.6	507.3	839.2	0.77	-0.23	4.55
5,281.0	8.49	42.36	5,200.6	673.1	511.2	845.2	2.37	-1.83	9.89
P-14-9-16 TGT									
5,286.0	8.40	42.90	5,205.6	673.7	511.7	845.9	2.37	-1.76	10.82



# PayZone Directional Services, LLC.

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 15 T9S, R16E  
**Well:** P-14-9-16  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well P-14-9-16  
**TVD Reference:** P-14-9-16 @ 5719.0ft (RIG 1)  
**MD Reference:** P-14-9-16 @ 5719.0ft (RIG 1)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,331.0	8.10	42.70	5,250.1	678.4	516.1	852.4	0.67	-0.67	-0.44
5,375.0	8.00	40.90	5,293.7	683.0	520.2	858.5	0.62	-0.23	-4.09
5,419.0	8.80	37.60	5,337.2	688.0	524.2	864.9	2.12	1.82	-7.50
5,463.0	9.40	38.50	5,380.7	693.5	528.5	871.9	1.40	1.36	2.05
5,507.0	10.00	38.90	5,424.0	699.3	533.2	879.3	1.37	1.36	0.91
5,550.0	10.40	40.60	5,466.4	705.1	538.0	886.9	1.16	0.93	3.95
5,594.0	10.50	43.40	5,509.6	711.0	543.4	894.9	1.18	0.23	6.36
5,638.0	10.90	44.70	5,552.9	716.9	549.0	903.0	1.06	0.91	2.95
5,682.0	11.10	42.60	5,596.0	723.0	554.8	911.3	1.02	0.45	-4.77
5,726.0	11.10	41.40	5,639.2	729.3	560.5	919.8	0.53	0.00	-2.73
5,770.0	11.70	42.20	5,682.4	735.8	566.3	928.5	1.41	1.36	1.82
5,814.0	12.20	41.80	5,725.4	742.5	572.4	937.5	1.15	1.14	-0.91
5,859.0	11.90	41.20	5,769.4	749.6	578.6	946.9	0.72	-0.67	-1.33
5,902.0	11.60	39.70	5,811.5	756.2	584.3	955.7	1.00	-0.70	-3.49
5,946.0	11.00	40.10	5,854.7	762.8	589.8	964.3	1.38	-1.36	0.91
6,001.0	10.10	39.70	5,908.7	770.6	596.3	974.3	1.64	-1.64	-0.73
6,063.0	10.10	39.70	5,969.8	778.9	603.2	985.2	0.00	0.00	0.00

### Wellbore Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
P-14-9-16 TGT	0.00	0.00	5,200.0	672.6	518.2	7,181,579.22	2,033,566.53	40° 1' 36.557 N	110° 5' 45.488 W
- actual wellpath misses by 7.0ft at 5281.0ft MD (5200.6 TVD, 673.1 N, 511.2 E)									
- Circle (radius 75.0)									

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_



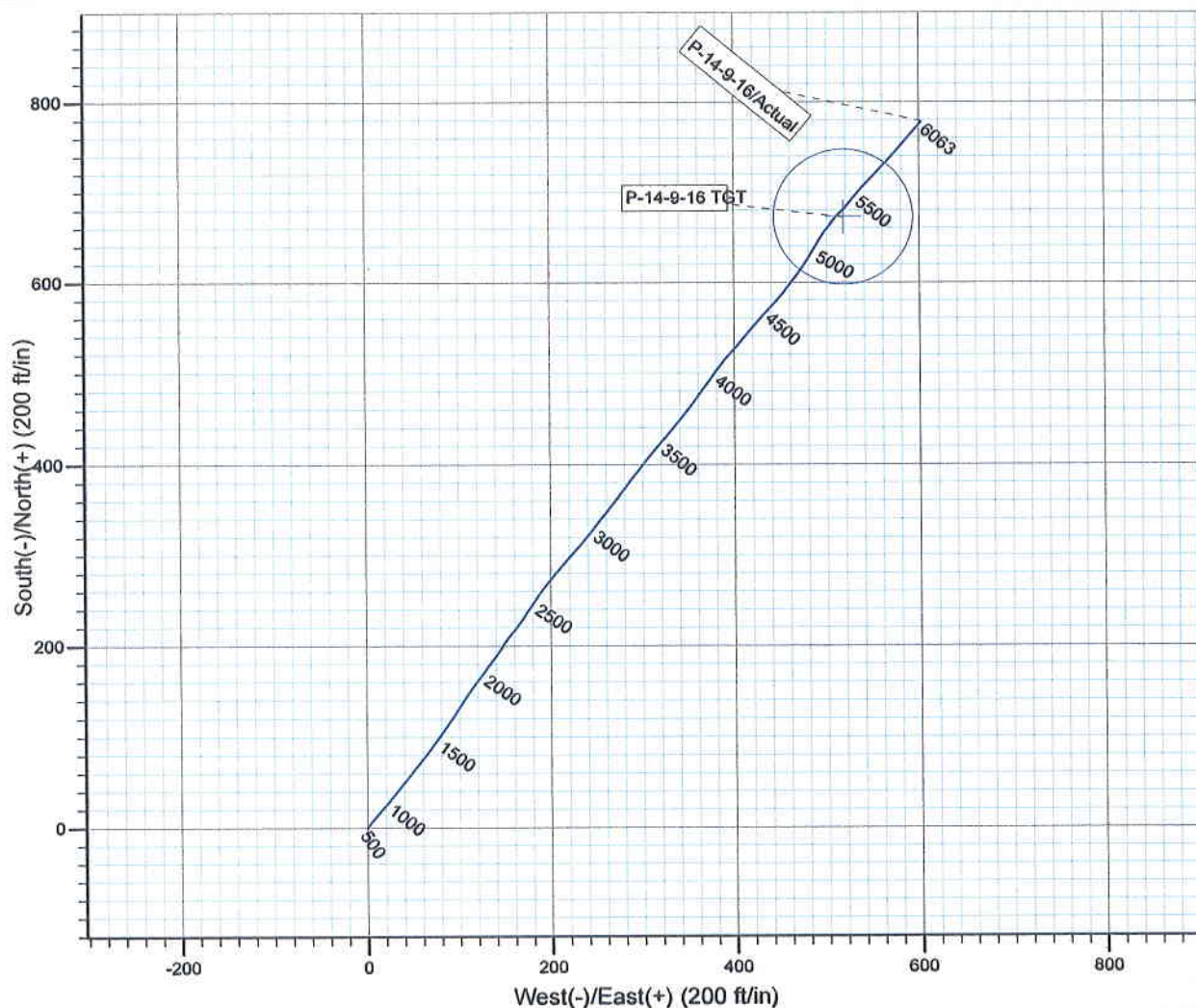
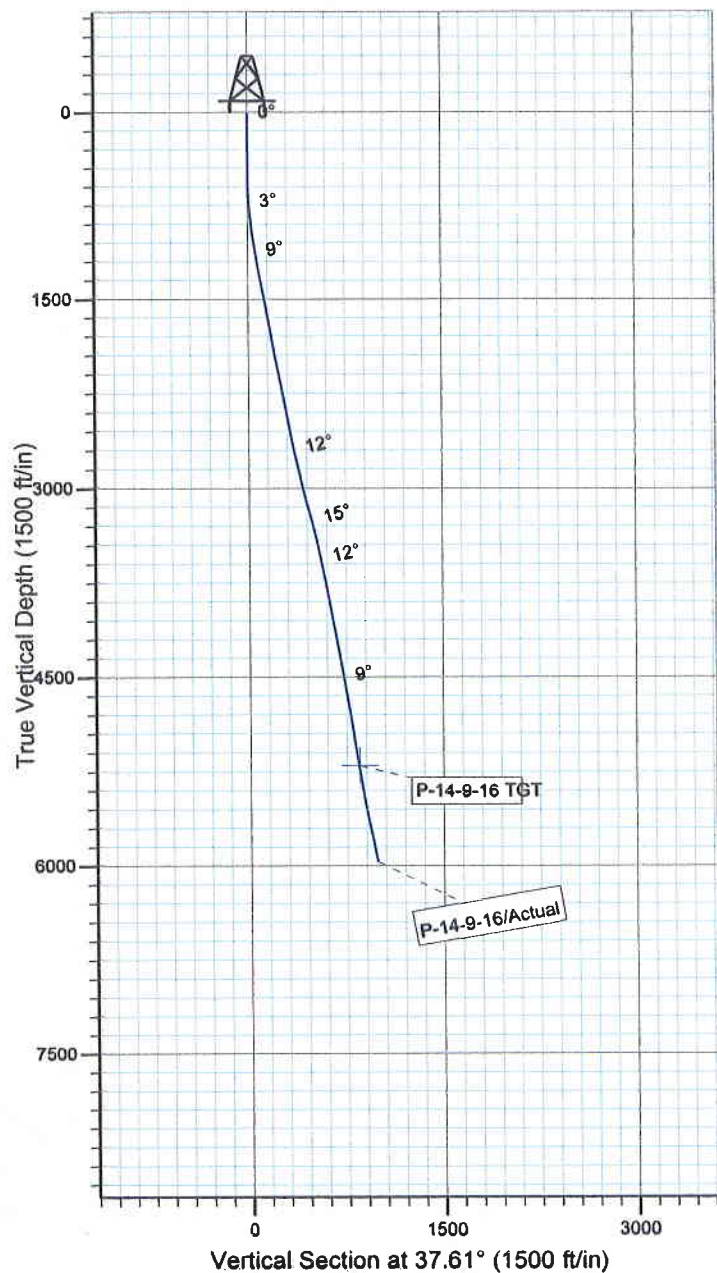
Project: USGS Myton SW (UT)  
 Site: SECTION 15 T9S, R16E  
 Well: P-14-9-16  
 Wellbore: Wellbore #1  
 SURVEY: Actual

# FINAL SURVEY REPORT



Azimuths to True North  
 Magnetic North: 11.40°

Magnetic Field  
 Strength: 52311.9snT  
 Dip Angle: 65.79°  
 Date: 2010/11/09  
 Model: IGRF2010



Design: Actual (P-14-9-16/Wellbore #1)



Created By: *Tom Hudson* Date: 18:00, November 22 2010  
 THIS SURVEY IS CORRECT TO THE BEST OF MY  
 KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.



**Daily Activity Report**

Format For Sundry

**JONAH P-14-9-16****9/1/2010 To 1/30/2011****JONAH P-14-9-16****Waiting on Cement****Date:** 11/12/2010

Ross #21 at 346. Days Since Spud - @ 346.41', On 11-12-10 Cement w/ BJ w/ 180 sks of class G+2%KCL+.25#CF mixed @ 15.8ppg and 1.17 - yield, returned 9 bbls cement top pit, bump plug to 528psi, BLM and State were notified of spud. - On 10-19-10 Ross # 21 drilled 345' of 12 1/4" hole, P/U and run 8 jts of 8 5/8", J-55, 24# casing set

**Daily Cost:** \$0**Cumulative Cost:** \$48,924**JONAH P-14-9-16****Waiting on Cement****Date:** 11/16/2010

NDSI SS #1 at 346. 0 Days Since Spud - Tear down prepair for rig move

**Daily Cost:** \$0**Cumulative Cost:** \$57,839**JONAH P-14-9-16****Drill 7 7/8" hole with fresh water****Date:** 11/17/2010

NDSI SS #1 at 1696. 1 Days Since Spud - MIRU w/ Liddell trucking 5 miles - R/U B&C quicktest Test Kelly, safty valve, choke manifold, Pipe and blind rams @ 2000 PSI - P/U Smith MI 616 PDC 7 7/8" bit, .33 Mud motor, Payzone Dir tools - Drill 7 7/8" Hole f/ 346' - 1696' , w/ 20 WOB, 170 RPM, 140 ROP, 370 GPM - Surface csg @ 1500 PSI - test good

**Daily Cost:** \$0**Cumulative Cost:** \$89,794**JONAH P-14-9-16****Drill 7 7/8" hole with fresh water****Date:** 11/18/2010

NDSI SS #1 at 4292. 2 Days Since Spud - Rig service funtion test pipe rams - clean radiators on light plant and mud pump - Drill 7 7/8" Hole f/1696' -2752' , w/ 20 WOB, 170 RPM, 111 ROP, 370 GPM - Drill 7 7/8" Hole f/ 2752' - 4292' , w/ 20 WOB, 170 RPM, 115 ROP, 370 GPM

**Daily Cost:** \$0**Cumulative Cost:** \$136,249**JONAH P-14-9-16****Lay Down Drill Pipe/BHA****Date:** 11/19/2010

NDSI SS #1 at 6063. 3 Days Since Spud - Rig service funtion test pipe rams - Circulate for logs - Drill 7 7/8" Hole f/ 4820' -6063' TD' , w/ 20 WOB, 170 RPM, 92 ROP, 370 GPM - Drill 7 7/8" Hole f/4292' - 4820' , w/ 20 WOB, 170 RPM, 98 ROP, 370 GPM

**Daily Cost:** \$0**Cumulative Cost:** \$173,354**JONAH P-14-9-16****Circulate & Condition Hole****Date:** 11/20/2010

NDSI SS #1 at 6063. 4 Days Since Spud - Lay down DP, BHA and dir tools - R/U csg run 143jt 5.5 15.5# j-55 LTC-tag -GS set @ 6047.43' KB -FC set @ 6003..23' KB - Work on rough neck dies and brake bit - R/U Halliburton run DISGL/SP/GR suite TD to surface- DSN/SDL/GR/CAL

suite TD to 3000' (LTD 6043') - R/U Quicktest - test csg rams @ 2000psi - Lay down DP to 3000' pump 160 bbls brine - Circulate csg

**Daily Cost:** \$0

**Cumulative Cost:** \$280,693

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**JONAH P-14-9-16****Wait on Completion**

**Date:** 11/21/2010

NDSI SS #1 at 6063. 5 Days Since Spud - Mixed @ 14.4 ppg yeild @ 1.24 return 43 bbls to pit Bump plug to 2230 psi - yield @ 3.54 Then tail of 430 sk 50:50:2+3%KCL+0.5%EC-1+.25# SK CF+.05#SF+.3SMS+FP-6L - Nipple down set 5.5 csg slips w 110,000# tention - Clean mud tanks - CMT w/BJ Pump 300 sks PL II +3% KCL

+5#CSE+0.5#CF+2#KOL+.5SMS+FP+SF mixed @ 11ppg - Release rig @ 12:30 PM on 11/20/10 **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$307,932

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**Pertinent Files:** Go to File List